

APPENDIX 3.3

Health Risk Assessment Technical Report

HEALTH RISK ASSESSMENT TECHNICAL REPORT

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The contents of this report reflect the views of the author who is responsible for the facts and accuracy of the presented information. The contents does not necessarily reflect the official views or of the Southern California Association of Governments. This report does not constitute a standard, specification, or regulation.



**Health Risk Assessment
Southern California Association of Governments
Connect SoCal Program Environment Impact Report**

**Impact Sciences, Inc.
Project No. 1329.001**

December 6, 2019

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**HEALTH RISK ASSESSMENT REPORT for the
SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS
2020 CONNECT SOCAL PROGRAM ENVIRONMENTAL IMPACT REPORT**

Project No. 1329.001

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1.0 INTRODUCTION

The Southern California Association of Governments' (SCAG) Connect SoCal Plan ("Connect SoCal"; "Plan") is a long-range transportation plan that provides a vision for regional transportation investments integrated with land use strategies through 2045. SCAG serves as a Metropolitan Planning Organization (MPO), a Council of Governments (COG) and a Multi-County Designated Transportation Planning Agency for more than 38,000 square miles over six Southern California counties, including Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties. The Plan guides the development of Federal Transportation Improvement Programs, as well as other transportation plans and programs. The Sustainable Communities Strategy (SCS) is developed as part of the Plan to define land use growth strategies that can achieve climate change and other sustainability objectives.

In assessing the air quality impacts of the Plan, a health risk assessment (HRA) was prepared to assess the potential cancer risk from roadway traffic associated with the growth of the region. Concentrations of diesel particulate matter (DPM) from motor vehicles on major freeways were analyzed to determine whether sensitive receptors (e.g., persons in residences, schools, hospitals) would be exposed to increased human health risks. DPM, which is emitted in the exhaust from diesel engines, was listed by the State as a toxic air contaminant (TAC) in 1998 and is used as a surrogate measure of exposure for all diesel exhaust emissions. It consists of PM_{2.5} (fine particles of a diameter less than 2.5 micrometer (μm)), a subgroup of ultrafine particles (diameter less than 0.1 μm), and a variety of gases and cancer-causing substances. This HRA uses emission rates from PM₁₀ (particles with a diameter of less than 10 micrometers, which also captures PM_{2.5}) to provide a metric consistent with the previous HRAs prepared for the Plan, and also to provide a worst-case analysis.^{1,2}

DPM exposure may lead to adverse health effects, including: (1) aggravated asthma; (2) chronic bronchitis; (3) increased respiratory and cardiovascular hospitalizations; (4) decreased lung function in children; (5) lung cancer; and (6) premature deaths for people with heart or lung disease.^{3,4} DPM levels and

¹ SCAG, 2015. *Appendix D Health Risk Assessment Technical Report: Diesel Exhaust Health Risk Assessment for the Southern California Association of Governments 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy*. November.

² PM₁₀ includes PM_{2.5} and therefore emission rates for PM₁₀ are higher than PM_{2.5} and provide a more conservative risk analysis.

³ CARB, Overview: Diesel Exhaust and Health, www.arb.ca.gov/research/diesel/diesel-health.htm, last reviewed by CARB April 12, 2016.

⁴ CARB, Fact Sheet: Diesel Particulate Matter Health Risk Assessment Study for the West Oakland Community: Preliminary Summary of Results, March 2008.

resulting health effects may be higher near heavily traveled roadways with substantial truck traffic or near industrial facilities.

As growth in population, housing, and jobs are anticipated to continue to pose challenges for the region's transportation system, the corresponding impact on human health was evaluated in this HRA.

1.1 OVERVIEW OF HEALTH RISK ASSESSMENT

To assess the impact of freeway-based traffic from growth associated with the RTP, air quality modeling was performed to predict potential cancer risk along key freeways in the SCAG region. First, DPM emissions from vehicles and trucks traveling on key freeways along regional growth corridors were calculated based on light, medium, and heavy-duty traffic count data provided by SCAG's Regional Travel Demand Model and emissions factors from the California Air Resources Board (CARB) EMFAC2014 model. Next, the concentration of DPM near freeways was calculated using the CARB-approved AERMOD dispersion model (Version 18081) along with meteorological data from monitoring sites in the SCAG region. Based on the concentration and the methodology prescribed by the Office of Environmental Health Hazard Assessment (OEHHA),⁵ potential cancer risks were calculated for sensitive receptors living near study freeway segments.

1.1.1 Scenarios to be Evaluated

To develop Connect SoCal, SCAG developed five unique scenarios (including Trend/Baseline) to illustrate alternative representations of the region in 2045. More specifically, each scenario was designed to explore and convey the impact of where the region would grow; to what extent the growth be focused within existing cities and towns, and how it would grow – the shape and style of the neighborhoods and transportation systems that would shape growth over the period.

This HRA includes the simulation of human health impacts from freeway traffic under six growth scenarios. As listed below, these include existing conditions (2019), the Connect SoCal Plan in 2045, the No Project Alternative in 2045, and three additional “build” simulations:

- **Simulation 1:** Existing Conditions (or base year conditions in 2019);
- **Simulation 2:** Future 2045 Conditions under the No Project Alternative (2045);
- **Simulation 3:** Future 2045 Conditions under the Existing Plans - Local Input Alternative (2045);
- **Simulation 4:** Future 2045 Conditions under the Connect SoCal Plan (2045);

⁵ California Office of Environmental Health Hazard Assessment (OEHHA). 2015. *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*.

- **Simulation 5:** Future 2045 Conditions under the PEIR Intensified Alternative (2045);
- **Simulation 6:** Future 2045 Conditions under the Accelerated Tomorrow Alternative (2045).

These scenarios generally line up with either Plan scenarios or Program EIR scenarios. This HRA include two of the scenarios considered for the Plan and two scenarios evaluated in the Program EIR (PEIR).

- **No Project:** This scenario is aligned with the Trend/Baseline Scenario⁶ and includes transportation projects that are in place at the time of preparation of the Connect SoCal Plan and that are included in the first two years of the previously conforming transportation plan and/or federal transportation improvement program (FTIP). This scenario was evaluated in the PEIR.
- **Existing Plan – Local Input:** This scenario reflects the land use and growth patterns as submitted to SCAG to envision the region in 2045. For transportation, projects planned by each CTC would occur throughout the region. This scenario was evaluated in the PEIR.
- **Accelerated Tomorrow:** This scenario assumes that funding is available to invest in expanded bus and rail networks, and there is additional revenue to make existing transit service faster and more reliable. Additionally, new investments would occur in public infrastructure, which focus on active transportation and facilitate connections between transit, jobs, homes and local destinations. Growth was prioritized in TPAs, Livable Corridors, Job Centers, HQTAs and NMAs. This scenario was considered in the Plan.
- **Intensified Land Use Alternative:** This scenario is based on the Plan’s transportation network and strategies. This alternative analyzes more aggressive densities and land use patterns than included in the Accelerated Tomorrow Scenario. This alternative was evaluated in the PEIR.

1.1.2 Freeway Corridor Segments

The existing regional transportation system includes approximately 73,824 lane miles of roadways in the SCAG region, which include freeways and major arterials that serve as the backbone of the surface transportation system.⁷ Given the enormity of the region’s system, an HRA analysis of all lane miles is not feasible. Instead, a subset of key freeways representative of the range of potential exposure to DPM

⁶ Connect SoCal – Sustainable Communities Strategy Technical Report.

⁷ SCAG Regional Travel Demand Model, 2019.

were selected for analysis, focusing on major freeways and transportation corridors.⁸ For this analysis, sixteen transportation segments used in SCAG's 2016 RTP/SCS PEIR HRA were analyzed. One worst-case segment was chosen in each of the six counties, with an additional two segments chosen based on heavy duty (HD) Vehicle Miles Traveled (VMT). These additional segments are located in Los Angeles and Riverside counties. In order to track progress over time, the analysis contained in this HRA evaluates the same segments as in previous analyses. For the 2016-2040 PEIR eight study segments were identified to be evaluated,⁹ to add to eight segments that were evaluated in the 2012-2035 RTP/SCS PEIR.¹⁰ The additional eight segments included in the 2016 analysis were chosen based having a sensitive receptor within 500 meters of a corridor, and ranked based on heavy duty vehicle traffic VMT. Segments were not considered if the segment was distant from populated areas with minimal (less than two) sensitive receptors or where the additional segment was an extension of one of the original eight segments.¹¹

While the corridors ranged in length from 0.87 to 10.64 miles, the length is not critical to the evaluation because the maximum impact of diesel exhaust occurs very near (less than 500 meters) and perpendicular to the segment. If the length of the segment is relatively longer than the distance to the impacted receptor, the potential impact to a receptor will be the same regardless of the length of the segment. A segment at least 1,500 meters long (approximately one mile) is a longer distance than the distance from the source (e.g., roadway segment) to a receptor that is 500 meters away. Therefore, because the source is longer than the distance to the receptor (1,000 meters versus 500 meters), the potential impact to the receptor is virtually the same regardless of whether the segment analyzed was longer or shorter (given that the segment is at least 500 meters long). Note that most impacted receptors are generally located less than 500 meters away from major arterials and/or freeways. This distance from the source to impacted sensitive

⁸ Impacts from rail transit and other fixed-guideway systems were not quantitatively assessed because emissions from passenger rail are much less than emissions from major freeways and transportation corridors. Further, emissions for electrified light-rail transit services are generated from stationary sources that are generally located far from the transit corridors they serve.

⁹ For the 2016-2040 analysis, segments were identified based on VMT for both heavy duty (HD) as well as light and medium (LM) vehicles for all major transportation corridors in the region. The segments were ranked from highest to lowest based on daily HD traffic. HD vehicles are more likely to be diesel fueled than LM traffic, which tends to be gasoline fueled. Therefore, HD traffic results in a greater health risk. Then the segments were ranked based on the density of sensitive receptors within 500 meters of the transportation corridors.

¹⁰ The 2012 RTP/SCS PEIR analyzed a segment within each County and two additional segments with the highest daily total traffic volume in each County based on travel model link outputs. The highest-volume segments on each corridor were then quantitatively modeled for increased cancer risk. Highest volume segments were identified for the 2012 baseline in areas where congestion relief projects were considered likely to be undertaken under the 2012 Plan alternatives, and therefore likely to continue to carry high volumes of traffic under future planning scenarios.

¹¹ SCAG, 2015. *Appendix D Health Risk Assessment Technical Report: Diesel Exhaust Health Risk Assessment for the Southern California Association of Governments 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy*. November.

receptors is consistent with CARB's finding that the concentration of DPM emissions is largely a factor of distance from source to receptor.¹²

VMT is a key parameter needed to perform emission and HRA modeling, as it captures the scale of DPM emissions from vehicle tailpipes and tires. VMT is a function not only of the number of vehicles but also the distance traveled by these vehicles. Therefore, if the number of vehicles is constant, a longer link will have more VMT than a shorter link. It is also recognized that total emissions for a segment are a function of VMT because, as explained below, the emissions model yields emission factors in terms of grams per mile. Therefore, a longer segment will have greater emissions (grams per day) than a shorter segment, even if the vehicle counts are the same (because the longer segment will have greater VMT). However, emissions for the longer segment are spread over a longer distance, so the potential impact is the same. Thus, the ultimate length of a segment is not critical provided that it is long enough to adequately represent maximum impact at a meaningful number of sensitive receptors. Since distance is not critical, one-mile segments were modeled within AERMOD, as discussed below. The modeling location of the transportation segment was based on the density of sensitive receptors.

The 16 segments evaluated in the HRA are shown in **Figure 1, Freeway Segments to be Evaluated**, and include:

1. IMP I-8: Interstate 8 just east of El Centro (Imperial County).
2. IMP SR-78: State Road 78 Freeway in Westmoreland (Imperial County).
3. LA I-110: Interstate 110 in Carson (Los Angeles County).
4. LA I-710: Interstate 710 in Compton, north of the intersection with SR 91 (Los Angeles County).
5. LA SR-60 DB: State Road 60 Freeway near Diamond Bar (Los Angeles County).
6. LA SR-60 SEM: State Road 60 Freeway near South El Monte (Los Angeles County).
7. ORA I-5: Interstate 5 in Orange near intersection of SR 57 and SR 22 (Orange County).
8. ORA I-405: Interstate 405 in Seal Beach, east of the I-605 interchange (Orange County).
9. RIV I-10: Interstate 10 in the Banning area (Riverside County).
10. RIV I-15: Interstate 15 near Temecula (Riverside County).
11. RIV SR-91: State Road 91 Freeway in Corona, east of intersection with SR 71 (Riverside County).
12. SB I-15 ONT: in Ontario (San Bernardino County).

¹² CARB. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. Available online at: <https://ww3.arb.ca.gov/ch/handbook.pdf>, accessed November 5, 2019.

13. SB I-15 VIC: Interstate 15 in the Victorville area (San Bernardino County).
14. SB SR-60: State Road 60 Freeway in Ontario, west of the I-15 interchange (San Bernardino County).
15. VEN US-101 SB: US 101 Freeway in San Buenaventura near the Ventura Harbor (Ventura County).
16. VEN US-101 TO: US 101 Freeway in Thousand Oaks, east of SR 23 (Ventura County).

Emissions from Freeway Corridor Segments

DPM emissions were estimated for each freeway corridor segment using CARB's EMFAC2014 model. EMFAC2014 is the most recent model approved by the U.S. Environmental Protection Agency (U.S. EPA) for use in emissions inventory analyses.¹³ The model was developed to estimate emissions from mobile sources and includes county-specific data, including fleet mix and other factors that influence on-road emissions. The model was run for each segment for the base year (2019) and the Plan's horizon year (2045) in order to calculate the proportion of diesel fueled HD (Heavy Duty Diesel Truck or HDDT) and light medium (LM) traffic and the emission factors (grams per mile). The EMFAC2014 model estimates criteria air pollutants (ROG, NOx, particulate matter, and CO) from mobile-source emissions as well as county specific activity data, such as VMT, population, and trips.

The number of HD and LM vehicles from SCAG's VMT traffic estimates, are provided in **Table 1, Average Daily VMT for Selected Transportation Segments and Evaluation Simulations**. Since only a portion of HD and LM traffic would be diesel-fueled, EMFAC2014 was used to calculate the VMT by vehicle and fuel type for each county in 2019 and 2045. Based on these estimates, the total number of diesel HD and LM vehicle trips along each transportation segment could be calculated. For example, in Imperial County in 2019, the EMFAC2014 modeled estimated that approximately 99 percent of HD traffic and approximately 9 percent of LM traffic would be diesel fueled. As shown in **Table 1, Segment 1** under existing conditions would generate 8,016 HD VMT and 48,711 LM VMT. Because this segment is within Imperial County, the segment would generate approximately 7,989 HDDT VMT and 4,548 diesel LM trips in 2019. These calculations are provided in **Attachment A, DPM Emissions for Each Transportation Segment and Evaluation Simulation**. In order to estimate the amount of DPM generated at each segment, EMFAC2014 was used to calculate the PM10 emissions from diesel fuel exhaust, since DPM consists of particulate matter 10 microns or less. As noted above, PM10 is a more conservative emission rate than PM2.5, PM10 was used to both provide a conservative analysis and also provide consistency

¹³ EMFAC 2014 model was the most recent, EPA-approved version at the time SCAG released the Conformity Assumptions for this analysis (EMFAC2017 had not been approved). Additionally, EMFAC2017 had not been approved at the time of releasing the NOP. On August 15, 2019, EPA approved EMFAC2017 for use; however, EPA provided a two-year grace period in which SCAG is not required to use EMFAC2017. The grace period runs through August 16, 2021.

with the 2016 analysis for the basis of comparison between the 2016 analysis and the analysis provided below. Each vehicle type generates different levels of diesel exhaust, therefore the total amount of diesel HD and LM traffic were multiplied to the respective PM10 diesel exhaust emissions estimates. The DPM generated at each segment are provided in **Table 2, DPM Emission Estimates for All Simulations (lbs/day)**.

Table 1
Average Daily VMT for Selected Transportation Segments and Evaluation Simulations

Segment No.	Transportation Segment	County/Region	Direction	Simulation 1 Existing Conditions (2019)		Simulation 2 No Project Alternative (2045)		Simulation 3 Local Input Alternative (2045)		Simulation 4 Connect SoCal Plan (2045)		Simulation 5 PEIR Intensified Land Use (2045)		Simulation 6 Accelerated Tomorrow (2045)	
				LM	HD	LM	HD	LM	HD	LM	HD	LM	HD	LM	HD
1	IMP I-8	Imperial/El Centro	East/West	48,711	8,016	70,801	25,315	72,724	26,141	68,510	26,191	66,464	25,528	66,392	25,615
2	IMP SR-78	Imperial/Westmoreland	East/West	18,814	3,491	27,455	5,506	27,045	5,428	24,905	4,914	30,074	4,865	30,194	4,833
3	LA I-110	Los Angeles/Carson	North/South	340,176	31,325	339,888	53,899	329,680	51,814	310,964	51,764	314,138	52,409	310,132	52,493
4	LA I-710	Los Angeles/Compton	North/South	258,877	31,402	387,638	65,416	321,526	71,483	320,808	70,960	319,436	72,416	315,468	72,084
5	LA SR-60 DB	Los Angeles/Diamond Bar	East/West	789,087	88,034	759,035	110,961	720,800	102,760	694,684	108,871	706,617	104,961	701,463	106,372
6	LA SR-60 SEM	Los Angeles/ South El Monte	East/West	367,370	33,368	362,602	39,110	348,992	32,485	338,836	33,134	341,018	35,132	338,431	35,323
7	ORA I-5	Orange/ Orange	North/South	488,850	33,264	365,751	35,868	381,542	36,592	362,162	37,257	353,277	38,511	351,556	38,480
8	ORA I-405	Orange/ Seal Beach	North/South	459,825	45,385	451,179	64,272	419,156	63,583	404,006	63,210	419,150	63,346	413,164	63,343
9	RIV I-10	Riverside/ Banning	East/West	634,254	143,445	747,848	251,961	723,144	253,336	689,301	245,273	687,605	245,295	686,909	245,307
10	RIV SR-15	Riverside/ Temecula	North/South	721,533	62,206	1,199,647	146,822	1,156,784	146,056	1,149,936	145,421	1,151,043	145,648	1,150,527	145,612
11	RIV SR-91	Riverside/ Corona	East/West	587,908	67,331	602,487	84,613	601,441	85,765	588,819	85,234	593,284	84,687	589,181	84,762
12	SB I-15 ONT	San Bernardino/Ontario	North/South	441,453	53,167	495,333	75,816	406,188	85,507	395,054	83,224	382,863	84,436	382,184	83,858
13	SB I-15 VIC	San Bernardino/ Victorville	North/South	320,364	85,444	377,670	173,351	374,475	173,857	394,964	175,993	397,673	174,536	398,054	174,372
14	SB SR-60	San Bernardino/ Ontario	East/West	518,176	82,924	538,296	119,162	485,642	116,756	463,006	120,075	473,710	117,114	470,167	117,630
15	VEN US-101 SB	Ventura/ San Buenaventura	North/South	350,922	27,041	358,463	53,836	286,318	55,704	285,247	56,206	284,048	56,086	283,720	56,080
16	VEN US-101 TO	Ventura/ Thousand Oaks	North/South	160,122	12,868	160,863	19,462	208,936	20,449	197,972	20,857	201,947	20,808	200,253	20,738

Source: SCAG Modeling, 2019

Table 2
DPM Emission Estimates for All Simulations (lbs/day)

Segment No.	Transportation Segment	County/Region	Segment Length (miles)	Direction	Simulation 1 Existing Conditions (2019)	Simulation 2 No Project Alternative (2045)	Simulation 3 Local Input Alternative (2045)	Simulation 4 Connect SoCal Plan (2045)	Simulation 5 PEIR Intensified Land Use (2045)	Simulation 6 Accelerated Tomorrow (2045)
1	IMP I-8	Imperial/El Centro	3.01	East/West	1.741	0.274	0.283	0.281	0.274	0.265
2	IMP SR-78	Imperial/Westmoreland	0.87	East/West	0.718	0.115	0.064	0.059	0.061	0.056
3	LA I-110	Los Angeles/Carson	4.01	North/South	5.239	0.825	0.795	0.779	0.788	0.785
4	LA I-710	Los Angeles/Compton	2.10	North/South	5.004	1.023	1.017	1.012	1.025	1.018
5	LA SR-60 DB	Los Angeles/Diamond Bar	7.20	East/West	14.22	1.749	1.636	1.673	1.645	1.654
6	LA SR-60 SEM	Los Angeles/ South El Monte	8.31	East/West	5.595	0.699	0.622	0.62	0.641	0.641
7	ORA I-5	Orange/ Orange	7.11	North/South	5.64	0.484	0.497	0.496	0.505	0.504
8	ORA I-405	Orange/ Seal Beach	4.90	North/South	7.339	0.789	0.771	0.761	0.768	0.766
9	RIV I-10	Riverside/ Banning	9.97	East/West	16.143	2.462	2.472	2.391	2.391	2.391
10	RIV SR-15	Riverside/ Temecula	10.64	North/South	8.712	1.548	1.534	1.527	1.53	1.529
11	RIV SR-91	Riverside/ Corona	6.53	East/West	8.69	1.008	1.018	1.009	1.005	1.004
12	SB I-15 ONT	San Bernardino/Ontario	5.90	North/South	6.768	0.939	0.997	0.97	0.977	0.971
13	SB I-15 VIC	San Bernardino/ Victorville	4.53	North/South	9.168	1.78	1.784	1.81	1.797	1.795
14	SB SR-60	San Bernardino/ Ontario	8.76	East/West	9.976	1.378	1.334	1.357	1.332	1.336
15	VEN US-101 SB	Ventura/ San Buenaventura	3.37	North/South	4.016	0.671	0.656	0.66	0.658	0.658
16	VEN US-101 TO	Ventura/ Thousand Oaks	1.73	North/South	1.885	0.257	0.288	0.287	0.289	0.287

Source: Impact Sciences, 2019

1.1.3 Sensitive Receptors

Health risks are assessed at locations where persons would be exposed to DPM emissions. Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the level of activity. CARB has identified the following groups who are most likely to be affected by air pollution: children under 14 years of age, the elderly over 65 years of age, athletes, and people with cardiovascular and chronic respiratory diseases.¹⁴ The South Coast Air Quality Management District (SCAQMD), the largest air district in the SCAG region, defines sensitive receptors as residences, schools, playgrounds, childcare centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes.^{15 16}

The HRA evaluates the health risk posed to residential, worker, school children, day care, and retirement home receptors within 1,000 meters of the perimeter of the 16 freeway segments, beginning at 100 meters away from the perimeter of the transportation segment. According to CARB, there is a drop of 70 percent in particulate pollution concentrations at 500 feet (152 meters) from freeways and high-traffic roads.¹⁷ Therefore evaluating sensitive receptors within 1,000 meters of the transportation segment will ensure that the health risk impacts resulting from freeway traffic will be captured.

Sensitive receptors were identified through Google Earth. In areas where there were multiple residences and work locations, receptors were placed in a grid pattern with 100-meter spacing out to 500 meters and 250-meter spacing out to 1,000 meters from the transportation segment and the most impacted of each receptor was evaluated in the HRA. If any receptors were found to be closer than 100 meters, these receptors were also evaluated. Additionally, if any school, day care, or retirement home were not located on the grid pattern, these receptors were added to the evaluation.

1.2 Meteorological Data

To run the AERMOD dispersion model, worst-case meteorological data provided by the relevant Air District – SCAQMD, VAPCD, IAPCD, and MDAQMD – were used as shown in **Table 3, Meteorological**

¹⁴ CARB. *Sensitive Receptor Assessment*. Available online at: <https://ww2.arb.ca.gov/capp-resource-center/community-assessment/sensitive-receptor-assessment>, accessed November 6, 2019.

¹⁵ SCAQMD. 2005. *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning*. May.

¹⁶ Other air districts in the SCAG region include the Ventura County Air Pollution Control District (VCAPCD), Imperial County Air Pollution Control District (ICAPCD), and the Mojave Desert Air Quality Management District (MDAQMD).

¹⁷ CARB. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*, California Air Resources Board. April.

Data Used for Dispersion Modeling. The nearest representative meteorological station to each of the transportation segments was used.

Table 3
Meteorological Data Used for Dispersion Modeling

Segment No.	Transportation Segment	County/Region	Meteorological Data Site	Years of Meteorological Data
1	IMP I-8	Imperial/El Centro	Imperial County Airport	2009-2014
2	IMP SR-78	Imperial/Westmoreland	Imperial County Airport	2009-2014
3	LA I-110	Los Angeles/Carson	Long Beach Airport	2012-2016
4	LA I-710	Los Angeles/Compton	Long Beach Airport	2012-2017
5	LA SR-60 DB	Los Angeles/Diamond Bar	Pico Rivera	2010-2012, 2015-2016
6	LA SR-60 SEM	Los Angeles/ South El Monte	Pico Rivera	2010-2012, 2015-2016
7	ORA I-5	Orange/ Orange	Fullerton Airport	2012-2016
8	ORA I-405	Orange/ Seal Beach	Long Beach Airport	2012-2016
9	RIV I-10	Riverside/ Banning	Banning	2011-2015
10	RIV SR-15	Riverside/ Temecula	Lake Elsinore	2012-2016
11	RIV SR-91	Riverside/ Corona	Fullerton Airport	2012-2016
12	SB I-15 ONT	San Bernardino/Ontario	Fontana	2011-2013, 2015-2016
13	SB I-15 VIC	San Bernardino/ Victorville	Sothern California Logistics Airport	2009-2014
14	SB SR-60	San Bernardino/ Ontario	Upland	2012-2016
15	VEN US-101 SB	Ventura/ San Buenaventura	Oxnard Airport	2009-2014
16	VEN US-101 TO	Ventura/ Thousand Oaks	Oxnard Airport	2009-2014

Source:

CARB, 2019. *Meteorological Data*. Available online at: <https://ww3.arb.ca.gov/toxics/harp/metfiles2.htm>.

SCAQMD, 2019. *AERMOD Table 1, Meteorological Sites*. Available online at: <http://www.aqmd.gov/home/air-quality/meteorological-data/aermod-table-1>.

Each segment was modeled as a series of volume sources for each direction of the freeway. A release height of two meters was chosen to represent the average height of exhaust tailpipes for HDDTs (HDDT represent the majority of diesel exhaust emissions from the corridors). No elevated or depressed transportation segments were modeled (i.e. assumed the segments would not include an overpass or off-ramp). Instead, the mean sea level elevations of each transportation segment was used in the model. This information was obtained from the United States Geological Survey digital elevation models/geographic information system (USGS DEM/GIS) data.

As previously discussed, one-mile portions of each transportation segment were modeled. The one-mile portion modeled represents the area of the segment with the densest number of sensitive receptors. Since DPM emissions were calculated through EMFAC2014 as grams per mile, the one-mile segment modeled will yield the same results as if a longer portion were modeled.

For the purposes of the dispersion model, unit emission rates, as in one gram per second (g/sec) for each direction were entered into the model. The concentrations modeled within AERMOD can then be multiplied by the emissions rate for the transportation segment to obtain the impact concentration, see **Attachment B, Health Risk Calculations for Each Transportation Segment, Receptor, and Evaluation Simulation.**

2.0 HEALTH RISK ASSESSMENT CALCULATIONS

The DPM concentrations determined by the dispersion model at the receptors of interest were used to evaluate the potential carcinogenic risk of the six simulations. This HRA evaluated the cancer risk posed to nearby sensitive receptors as the greatest potential health impact to receptors located near freeways is DPM.¹⁸ Potential risk to five types of exposure at five different receptors were analyzed:

1. Residences
2. Workplace
3. Day care centers
4. Schools
5. Senior center facilities

2.1 Residential Health Risk Assessment

For a given ambient concentration of DPM, the potential cancer risk is a function of the types of persons exposed (e.g., adults, children, infants, pregnant women) and the duration of exposure. OEHHA has published guidelines for calculating potential cancer risks. The most recent version Air Toxic Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments¹⁹ (OEHHA 2015 Guidance) released in February 2015 was used to calculate the DPM cancer risk for each of the segments. Cancer risk

¹⁸ CARB. *Overview: Diesel Exhaust & Health*. Available online at: <https://ww2.arb.ca.gov/resources/overview-diesel-exhaust-and-health>, accessed November 12, 2019.

¹⁹ OEHHA. 2015. *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. Available at: <https://oehha.ca.gov/media/downloads/cnr/2015guidancemanual.pdf>, accessed August 6, 2019.

calculations were performed consistent with the CARB Hotspots Analysis and Reporting Program (HARP) Risk Assessment Standalone Tool (RAST).²⁰ The risk calculations were conducted outside of the RAST model due to the volume of data and need to make adjustments to large datasets. Consistent with the Guidance, potential cancer risk is calculated by first determining the dose of DPM and then multiplying the dose times the exposure duration and cancer potency factor, as shown in the following equation:

Inhalation Dose for Cancer Risk Assessment

$$\text{Dose - air} = C_{\text{air}} \times \{BR/BW\} \times A \times EF \times 10^{-6}$$

Where,

Dose - air = dose through inhalation, mg/kg/d

C_{air} = Concentration in air

{BR/BW} = Daily Breathing rate normalized to body weight, L/kg body weight-day

A = Inhalation absorption factor (unitless)

EF = Exposure frequency (unitless), days/365 days

10⁻⁶ = Micrograms to milligrams conversion, liters to cubic meters conversion

The OEHHA 2015 Guidance recommends that when conducting Tier 1 residential health risk assessments, an absorption rate of 1 should be used and an exposure frequency of 0.96 (assuming a resident is home 350 out of 365 days of the year). Consistent with SCAQMD's Risk Assessment Procedures for Rules 1401, 1401.1, and 212,²¹ 95th percentile breathing rates were used for the 3rd trimester and infant receptor (0 to 2 years). In order to provide a conservative analysis and demonstrate consistency with the 2016-2040 RTP/SCS PEIR's HRA, the 95th percentile breathing rates for children and adult receptors were also used.²² The breathing rates are summarized in **Table 4, Residential Cancer**

²⁰ CARB. 2015. *User Manual for the Hotspots Analysis and Reporting Program Air Dispersion Modeling and Risk Assessment Tool Version 2*. Available at: <https://ww3.arb.ca.gov/toxics/harp/docs2/harp2admrtuserguide.pdf>, accessed November 20, 2019.

²¹ SCAQMD. 2017. *Risk Assessment Procedures for Rules 1401, 1401.1, and 212*. Available at: <http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12>, accessed August 6, 2019.

²² OEHHA. 2015. *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. See Table 5.6. Available at: <https://oehha.ca.gov/media/downloads/crn/2015guidancemanual.pdf>, accessed August 6, 2019.

Risk Assumptions. In order to calculate the health risk, the inhalation dose found in the equation above is multiplied by the cancer potency factor of the pollutant (DPM), age sensitivity factors, and the exposure duration, as shown in the equation below.

Cancer Risk

$$RISK_{inh-res} = DOSE_{air} \times CPF \times ASF \times ED/AT \times FAH$$

Where,

$RISK_{inh-res}$ = Residential inhalation cancer risk

$DOSE_{air}$ = Daily inhalation dose (mg/kg-day)

CPF = Inhalation cancer potency factor (mg/kg-day⁻¹)

ASF = Age sensitivity factor for a specified age group (unitless)

ED = Exposure duration (in years) for a specific age group

AT = Averaging time for lifetime cancer risk (years)

FAH = Fraction of time spent at home (unitless)

OEHHA's 2015 Guidance recommends the following exposure durations: 0.25 years for the third trimester, 2 years for infants (0 to 2 years), 7 years for children (2 to 9 years) when conducting a 9-year HRA, 14 years for children (2 to 16 years) when conducting a 30-year or 70-year HRA, 14 years for adults (16 to 30 years) for a 30-year HRA, and 54 years for adults (16 to 70 years) for 70-year HRA. The Inhalation Cancer Potency Factor (CPF) for diesel exhaust is approximately 1.1.²³ OEHHA 2015 Guidance recommends age sensitivity factors (ASF), see **Table 4, Residential Cancer Risk Assumptions**, in order to account for the heightened sensitivity of children. Moreover, OEHHA and CARB recommend fraction of time at home (FAH) values, see **Table 4, Residential Cancer Risk Assumptions**. The SCAMQD recommends for the 3rd trimester (0.25 years) through childhood (2 to 16 years), the receptor spends 100 percent time at home and an adult receptor (16 to 30 years and 16 to 70 years) spends approximately 73

²³ OEHHA. 2015. *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. See Table 7.1. Available at: <https://oehha.ca.gov/media/downloads/crn/2015guidancemanual.pdf>, accessed August 6, 2019.

percent of the time at home.²⁴ The cancer risk assumptions are consistent with those used in the 2016-2040 RTP/SCS in order to provide a conservative analysis.

Table 4
Residential Cancer Risk Assumptions

Receptor Scenario	EF	ED (years)	ASFs	FAH	DBR (L/kg-day)
3rd Trimester	350	0.25	10	1	361
0 to 2 Years	350	2	10	1	1090
2 to 9 Years	350	7	3	1	861
2 to 16 Years	350	14	3	1	745
16 to 30 Years	350	14	1	0.73	335
16 to 70 Years	350	54	1	0.73	290

Source:

OEHHA 2015 Guidance;

SCAQMD. 2017. Rule 1401, 1401.1, and 212.

OEHHA's 2015 Guidance recommends that the cancer risk for the maximally exposed individual residential receptor (MEIR) be calculated assuming a 30-year exposure period, starting in the 3rd trimester of life. Calculating the 9-year and 70-year cancer risks are recommended as well to show the range of cancer risks that the MEIR may be exposed to over a range of residency periods. These cancer risk durations show the average (9 year), high-end estimates (30 years) of residence time, and a lifetime residency (70 years).²⁵

2.2 Workplace Health Risk Assessment

Cancer risk can also increase due to exposure at the workplace over time. In order to calculate the cancer risk posed to the maximally exposed individual worker (MEIW), OEHHA recommends using an exposure duration of 25 years, starting at age 16. The daily inhalation dose of a pollutant is calculated based on an adjusted 8-hour concentration for non-continuous sources and the amount of time the MEIW's schedule overlaps with the emission schedule. However, for the purpose of this calculation, it is assumed that freeway segments would be continuous sources of DPM emissions. Additionally, the MEIW is assumed to have a daily breathing rate of 230 L/kg-day and an EF that assumes the MEIW will

²⁴ SCAQMD. 2017. *Risk Assessment Procedures for Rules 1401, 1401.1, and 212*. Available at: <http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12>, accessed August 6, 2019.

²⁵ OEHHA. 2015. *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. Available at: <https://oehha.ca.gov/media/downloads/cnr/2015guidancemanual.pdf>, accessed August 6, 2019.

be at work 5 days per week and 50 weeks per year (250 days per year). The worker cancer risk does not include a FAH value as the FAH only applies to residential receptors. The assumptions used to calculate the worker cancer risk are summarized in **Table 5, Worker Cancer Risk Assumptions**. The cancer risk assumptions are consistent with those used in the 2016-2040 RTP/SCS.

Table 5
Worker Cancer Risk Assumptions

Receptor Scenario	EF	ED (years)	ASFs	DBR (L/kg-day)
Worker	250	25	1	230

Source:
OEHHA 2015 Guidance.

2.3 Day Care Center Health Risk Assessment

Infants and children who attend day care centers could also be exposed to DPM from the freeway segments. The risk is calculated similarly to the residential cancer risk, with input factors changed to reflect children and day care exposure. Exposure duration is assumed to be 250 days per year over a period of six years. OEHHA 2015 Guidance recommends for children and schools and day cares that the 95th percentile breathing rates under moderate intensity of 1,200 L/kg-day and 640 L/kg-day for infants (0 to 2 years) and children (2 to 9 years), respectively.²⁶ The assumptions used to calculate the day care center cancer risk are summarized in **Table 6, Day Care Center Cancer Risk Assumptions**. The risk associated with adult workers at these facilities are summarized in **Table 5**, above. The cancer risk assumptions are consistent with those used in the 2016-2040 RTP/SCS in order to provide a conservative analysis.

Table 6
Day Care Center Cancer Risk Assumptions

Receptor Scenario	EF	ED (years)	ASFs	DBR (L/kg-day)
Infant (0 to 2 years)	250	2	10	1,200
Child (2 to 9 Years)	250	4	3	640

Source: OEHHA 2015 Guidance

²⁶ OEHHA. 2015. *The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. See Table 5.8. Available at: <https://oehha.ca.gov/media/downloads/crn/2015guidancemanual.pdf>, accessed August 6, 2019.

2.4 School Health Risk Assessment

In order to calculate the maximally exposed individual school child (MEISC) receptor, it is assumed that the receptor attends elementary, middle, and/or high school near the transportation segment. The risk is calculated similarly to the residential cancer risk with the input factors changed to reflect school child exposure. Exposure duration is assumed to be 165 days of the year, where a student attends school 5 days per week for approximately 36 weeks over a seven-year period. OEHHA 2015 Guidance recommends that a 95th percentile breathing rate under moderate intensity of 520 L/kg-day be used to estimate the risk to the school child (2 to 16 years).²⁷ The assumptions used to calculate the day care center cancer risk are summarized in **Table 7, School Child Cancer Risk Assumptions**. The cancer risk assumptions are consistent with those used in the 2016-2040 RTP/SCS in order to provide a conservative analysis.

Table 7
School Child Cancer Risk Assumptions

Receptor Scenario	EF	ED (years)	ASFs	DBR (L/kg-day)
Child (2 to 16 Years)	165	7	3	520

Source: OEHHA 2015 Guidance

2.5 Senior Care Center Health Risk Assessment

According to CARB, elderly adults are identified as sensitive receptors that may be exposed to DPM emissions from the freeway segments. The risk is calculated similarly to the residential cancer risk, assuming that an adult receptor would only be exposed over a 30-year period. Consistent with the HRA conducted in the 2016-2040 RT/SCS PEIR, this HRA also assumes that the receptor would not leave the senior center, therefore the receptor would have an Exposure Frequency (EF) of 365 days and a Fraction of Time at Home factor of 1. The assumptions used to calculate the day care center cancer risk are summarized in **Table 8, Senior Care Cancer Risk Assumptions**. The cancer risk assumptions are consistent with those used in the 2016-2040 RTP/SCS in order to provide a conservative analysis.

²⁷ *Ibid.*

Table 8
Senior Care Cancer Health Risk Assumptions

Receptor Scenario	EF	ED (Years)	ASFs	DBR (L/kg-day)
Adult (16 to 70 Years)	365	30	1	290

Source: OEHHA 2015 Guidelines

3.0 HEALTH RISK ASSESSMENT RESULTS

3.1 Maximum Exposed Individual Receptor

The residential risk for Simulations 2 through 6 ranges from 4.8 in a million to 41.3 in a million-cancer risk for 30-year exposure (**Table 9**). The residential risk for Simulations 2 through 6 from 3.4 in a million to 29.3 in a million-cancer risk for 9-year exposure (**Table 10**). The residential risk for Simulations 2 through 6 from 4.7 in a million to 47.0 in a million-cancer risk for 70-year exposure (**Table 11**). Risk calculation details are provided in **Attachments A and B** and the AERMOD output files showing the receptor concentrations are in **Attachment C, AERMOD Output Files**.

The MEIR risk results for each of the sixteen segments and evaluated simulations are summarized below in **Table 9, Maximum Exposed Individual Residential Cancer Risk for 30-year Exposure**; **Table 10, Maximum Exposed Individual Residential Cancer Risk for 9-Year Exposure**; and **Table 11, Maximum Exposed Individual Residential Cancer Risk for 70-Year Exposure**. The results are expressed as the total cancer risk per million exposed persons resulting from DPM on each corridor. The incremental risk compared to existing conditions can be derived by subtracting the existing conditions cancer risk from each future scenario.

3.2 Maximum Exposed Worker Receptor

The MEIW risk results for each of the segments and evaluated simulations are summarized in **Table 12, Maximum Exposed Worker Receptor Cancer Risk**. The results are expressed as the total cancer risk per million exposed persons. The worker risk for Simulations 2 through 6 ranges from 0.3 in a million to 6.1 in a million. Risk calculations are provided in **Attachments A and B** and AERMOD output files showing the receptor concentrations are contained in **Attachment C**.

Table 9
Maximum Exposed Individual Residential Cancer Risk for 30-Year Exposure

Segment No.	Transportation Segment	County/Region	Simulation 1 Existing Conditions (2019)	Simulation 2 No Project Alternative (2045)	Simulation 3 Local Input Alternative (2045)	Simulation 4 Connect SoCal Plan (2045)	Simulation 5 PEIR Intensified Land Use (2045)	Simulation 6 Accelerated Tomorrow (2045)
1	IMP I-8	Imperial/El Centro	24.5	14.2	14.6	14.5	14.2	14.2
2	IMP SR-78	Imperial/Westmoreland	64.6	37.1	20.8	18.9	19.6	18.3
3	LA I-110	Los Angeles/Carson	69.4	24.8	24.0	23.5	23.7	23.7
4	LA I-710	Los Angeles/Compton	63.8	31.2	31.1	30.9	31.3	31.1
5	LA SR-60 DB	Los Angeles/Diamond Bar	106.6	31.1	29.1	29.7	29.2	29.4
6	LA SR-60 SEM	Los Angeles/ South El Monte	64.4	18.4	16.4	16.3	16.9	16.9
7	ORA I-5	Orange/ Orange	24.8	5.36	5.5	5.5	5.6	5.6
8	ORA I-405	Orange/ Seal Beach	43.3	12.2	11.9	11.8	11.9	11.8
9	RIV I-10	Riverside/ Banning	10.5	5.0	5.0	4.8	4.8	4.8
10	RIV SR-15	Riverside/ Temecula	16.7	9.7	9.6	9.5	9.5	9.5
11	RIV SR-91	Riverside/ Corona	22.6	8.4	8.5	8.4	8.4	8.4
12	SB I-15 ONT	San Bernardino/Ontario	40.4	10.4	11.1	10.5	10.9	10.8
13	SB I-15 VIC	San Bernardino/ Victorville	109.9	40.6	40.7	41.3	41.0	40.9
14	SB SR-60	San Bernardino/ Ontario	71.9	19.1	18.5	18.8	18.5	18.5
15	VEN US-101 SB	Ventura/ San Buenaventura	21.2	4.9	4.8	4.9	4.9	4.8
16	VEN US-101 TO	Ventura/ Thousand Oaks	102.5	19.6	22.0	21.9	22.0	21.9

Source: *Impact Sciences, 2019*

Note: *Unites are the amount of persons out of one million at risk to develop cancer related to vehicle exhaust*

Table 10
Maximum Exposed Individual Residential Cancer Risk for 9-Year Exposure

Segment No.	Transportation Segment	County/Region	Simulation 1 Existing Conditions (2019)	Simulation 2 No Project Alternative (2045)	Simulation 3 Local Input Alternative (2045)	Simulation 4 Connect SoCal Plan (2045)	Simulation 5 PEIR Intensified Land Use (2045)	Simulation 6 Accelerated Tomorrow (2045)
1	IMP I-8	Imperial/El Centro	17.4	10.1	10.4	10.3	10.8	10.1
2	IMP SR-78	Imperial/Westmoreland	45.9	26.3	14.8	13.5	13.9	13.0
3	LA I-110	Los Angeles/Carson	49.3	17.7	17.0	16.7	16.9	16.8
4	LA I-710	Los Angeles/Compton	45.3	22.2	22.1	21.2	22.2	22.1
5	LA SR-60 DB	Los Angeles/Diamond Bar	75.7	22.1	20.6	21.1	20.7	20.9
6	LA SR-60 SEM	Los Angeles/ South El Monte	45.8	13.1	11.6	11.6	12.0	12.0
7	ORA I-5	Orange/ Orange	17.6	3.8	3.9	3.9	4.0	4.0
8	ORA I-405	Orange/ Seal Beach	30.8	8.7	8.5	8.4	8.4	8.4
9	RIV I-10	Riverside/ Banning	7.4	3.5	3.6	3.4	3.4	3.4
10	RIV SR-15	Riverside/ Temecula	11.9	6.9	6.8	6.8	6.8	6.8
11	RIV SR-91	Riverside/ Corona	16.0	6.0	6.0	6.0	6.0	6.0
12	SB I-15 ONT	San Bernardino/Ontario	28.7	7.4	7.9	7.4	7.7	7.7
13	SB I-15 VIC	San Bernardino/ Victorville	78.1	28.8	28.9	29.3	29.1	29.1
14	SB SR-60	San Bernardino/ Ontario	51.1	13.6	13.1	13.4	13.1	13.2
15	VEN US-101 SB	Ventura/ San Buenaventura	15.0	3.5	3.42	3.4	3.4	3.4
16	VEN US-101 TO	Ventura/ Thousand Oaks	72.8	13.9	15.6	15.6	15.6	15.6

Source: Impact Sciences, 2019

Note: Units are the amount of persons out of one million at risk to develop cancer related to vehicle exhaust.

Table 11
Maximum Exposed Individual Residential Cancer Risk for 70-Year Exposure

Segment No.	Transportation Segment	County/Region	Simulation 1 Existing Conditions (2019)	Simulation 2 No Project Alternative (2045)	Simulation 3 Local Input Alternative (2045)	Simulation 4 Connect SoCal Plan (2045)	Simulation 5 PEIR Intensified Land Use (2045)	Simulation 6 Accelerated Tomorrow (2045)
1	IMP I-8	Imperial/El Centro	28.0	16.2	16.7	16.6	16.2	16.2
2	IMP SR-78	Imperial/Westmoreland	73.6	42.3	23.8	21.6	22.4	20.8
3	LA I-110	Los Angeles/Carson	79.1	28.3	27.3	26.7	27.0	26.9
4	LA I-710	Los Angeles/Compton	72.7	35.6	35.4	35.2	35.7	35.4
5	LA SR-60 DB	Los Angeles/Diamond Bar	121.5	35.4	33.1	33.9	33.3	33.5
6	LA SR-60 SEM	Los Angeles/ South El Monte	73.4	21.0	18.7	18.6	19.3	19.3
7	ORA I-5	Orange/ Orange	28.2	6.1	6.3	6.3	6.4	6.4
8	ORA I-405	Orange/ Seal Beach	49.4	13.9	13.6	13.4	13.5	13.5
9	RIV I-10	Riverside/ Banning	11.9	5.7	5.7	5.5	5.5	5.5
10	RIV SR-15	Riverside/ Temecula	19.1	11.0	10.9	10.8	10.9	10.9
11	RIV SR-91	Riverside/ Corona	25.7	9.6	9.7	9.6	9.6	9.5
12	SB I-15 ONT	San Bernardino/Ontario	46.0	11.9	12.7	11.9	12.4	12.3
13	SB I-15 VIC	San Bernardino/ Victorville	125.3	46.2	46.3	47.0	4.7	4.7
14	SB SR-60	San Bernardino/ Ontario	81.9	21.8	21.1	21.4	21.1	21.1
15	VEN US-101 SB	Ventura/ San Buenaventura	24.1	5.6	5.5	5.5	5.5	5.5
16	VEN US-101 TO	Ventura/ Thousand Oaks	111.7	22.3	25.1	25.0	25.1	25.0

Source: Impact Sciences, 2019

Note: Units are the amount of persons out of one million at risk to develop cancer related to vehicle exhaust.

Table 12
Maximum Exposed Worker Receptor Cancer Risk

Segment No.	Transportation Segment	County/Region	Simulation 1 Existing Conditions (2019)	Simulation 2 No Project Alternative (2045)	Simulation 3 Local Input Alternative (2045)	Simulation 4 Connect SoCal Plan (2045)	Simulation 5 PEIR Intensified Land Use (2045)	Simulation 6 Accelerated Tomorrow (2045)
1	IMP I-8	Imperial/El Centro	1.5	0.9	0.9	0.9	0.9	0.9
2	IMP SR-78	Imperial/Westmoreland	3.7	2.1	1.2	1.1	1.1	1.1
3	LA I-110	Los Angeles/Carson	5.0	1.8	1.7	1.7	1.7	1.7
4	LA I-710	Los Angeles/Compton	2.6	1.3	1.2	1.3	1.3	1.3
5	LA SR-60 DB	Los Angeles/Diamond Bar	1.0	0.3	0.3	0.3	0.3	0.3
6	LA SR-60 SEM	Los Angeles/ South El Monte	2.4	0.7	6.1	0.6	0.6	0.6
7	ORA I-5	Orange/ Orange	1.3	2.8	0.3	0.3	0.3	0.3
8	ORA I-405	Orange/ Seal Beach	3.1	0.9	0.8	0.8	0.8	0.8
9	RIV I-10	Riverside/ Banning	1.6	0.8	0.8	0.8	0.8	0.8
10	RIV SR-15	Riverside/ Temecula	1.5	0.8	0.8	0.8	0.8	0.8
11	RIV SR-91	Riverside/ Corona	2.4	0.9	0.9	0.9	0.9	0.9
12	SB I-15 ONT	San Bernardino/Ontario	3.6	0.9	1.0	0.9	1.0	1.0
13	SB I-15 VIC	San Bernardino/ Victorville	4.2	1.5	1.5	1.6	1.6	1.6
14	SB SR-60	San Bernardino/ Ontario	4.1	1.1	1.1	1.1	1.1	1.1
15	VEN US-101 SB	Ventura/ San Buenaventura	5.1	1.2	1.2	1.2	1.2	1.2
16	VEN US-101 TO	Ventura/ Thousand Oaks	1.4	0.3	0.3	0.3	0.3	0.3

Source: Impact Sciences, 2019

Note: Units are the amount of persons out of one million at risk to develop cancer related to vehicle exhaust.

3.3 Maximum Exposed School Child, Day Care, and Senior Care Receptors

The health risks were also calculated for the school child, day care, and senior care receptors. The risks associated with these receptors are shown in **Table 13, Maximum Exposed Cancer Risks for School Children; Table 14, Maximum Exposed Cancer Risks for Day Care Center Children;** and **Table 15, Maximum Exposed Cancer Risks for Senior Care Centers.** The school child risk for Simulations 2 through 6 ranges from <0.01 to 1.82 in a million (**Table 13**). The day care risk for Simulations 2 through 6 ranges from 0.13 to 5.01 in a million (**Table 14**). The senior care risk for Simulations 2 through 6 from 0.09 to 4.19 in a million (**Table 15**). Risk calculations are provided in **Attachments A and B** and AERMOD output files showing the receptor concentrations are contained in **Attachment C**.

It should be noted that not all of the sixteen segments had school, day care, or retirement home receptors located within 1,000 meters of the transportation segment, these have been denoted as “no receptor” (NR) in the table.

Table 13
Maximum Exposed Cancer Risk for School Children

Segment No.	Transportation Segment	County/Region	Simulation 1 Existing Conditions (2019)	Simulation 2 No Project Alternative (2045)	Simulation 3 Local Input Alternative (2045)	Simulation 4 Connect SoCal Plan (2045)	Simulation 5 PEIR Intensified Land Use (2045)	Simulation 6 Accelerated Tomorrow (2045)
1	IMP I-8	Imperial/El Centro	0.15	0.08	0.09	0.09	0.08	0.08
2	IMP SR-78	Imperial/Westmoreland	0.74	0.43	0.24	0.22	0.23	0.21
3	LA I-110	Los Angeles/Carson	2.05	0.73	0.71	0.69	0.70	0.70
4	LA I-710	Los Angeles/Compton	2.07	1.01	0.96	1.00	1.02	1.01
5	LA SR-60 DB	Los Angeles/Diamond Bar	1.19	0.35	0.35	0.33	0.03	0.03
6	LA SR-60 SEM	Los Angeles/ South El Monte	1.63	0.47	0.42	0.41	0.43	0.43
7	ORA I-5	Orange/ Orange	0.13	0.03	0.03	0.03	0.03	0.03
8	ORA I-405	Orange/ Seal Beach	NR	NR	NR	NR	NR	NR
9	RIV I-10	Riverside/ Banning	0.32	0.02	0.02	0.01	0.02	0.01
10	RIV SR-15	Riverside/ Temecula	0.12	0.07	0.07	0.07	0.07	0.07
11	RIV SR-91	Riverside/ Corona	NR	NR	NR	NR	NR	NR
12	SB I-15 ONT	San Bernardino/Ontario	NR	NR	NR	NR	NR	NR
13	SB I-15 VIC	San Bernardino/ Victorville	4.89	1.80	1.81	1.83	1.82	1.82
14	SB SR-60	San Bernardino/ Ontario	1.35	0.04	0.03	0.04	0.03	0.03
15	VEN US-101 SB	Ventura/ San Buenaventura	0.08	<0.01	<0.01	<0.01	<0.01	<0.01
16	VEN US-101 TO	Ventura/ Thousand Oaks	0.39	0.01	0.01	0.01	0.01	0.01

Source: Impact Sciences, 2019

Note: Units are the amount of persons out of one million at risk to develop cancer related to vehicle exhaust.

Table 14
Maximum Exposed Cancer Risk for Day Care Attendee

Segment No.	Transportation Segment	County/Region	Simulation 1 Existing Conditions (2019)	Simulation 2 No Project Alternative (2045)	Simulation 3 Local Input Alternative (2045)	Simulation 4 Connect SoCal Plan (2045)	Simulation 5 PEIR Intensified Land Use (2045)	Simulation 6 Accelerated Tomorrow (2045)
1	IMP I-8	Imperial/El Centro	8.39	4.85	5.01	4.98	4.85	4.87
2	IMP SR-78	Imperial/Westmoreland	4.61	2.65	1.49	1.35	1.40	1.31
3	LA I-110	Los Angeles/Carson	2.22	0.79	0.77	0.75	0.76	0.76
4	LA I-710	Los Angeles/Compton	9.57	4.69	4.45	4.63	4.70	4.66
5	LA SR-60 DB	Los Angeles/Diamond Bar	17.01	4.96	4.64	4.47	4.66	4.69
6	LA SR-60 SEM	Los Angeles/ South El Monte	4.62	1.32	1.18	1.17	1.21	1.21
7	ORA I-5	Orange/ Orange	0.65	0.13	0.14	0.14	0.14	0.14
8	ORA I-405	Orange/ Seal Beach	NR	NR	NR	NR	NR	NR
9	RIV I-10	Riverside/ Banning	1.74	0.83	0.83	0.80	0.80	0.80
10	RIV SR-15	Riverside/ Temecula	6.26	3.61	3.56	3.56	3.56	3.56
11	RIV SR-91	Riverside/ Corona	NR	NR	NR	NR	NR	NR
12	SB I-15 ONT	San Bernardino/Ontario	NR	NR	NR	NR	NR	NR
13	SB I-15 VIC	San Bernardino/ Victorville	4.03	1.49	1.49	1.51	1.50	1.50
14	SB SR-60	San Bernardino/ Ontario	5.93	1.58	1.52	1.55	1.52	1.53
15	VEN US-101 SB	Ventura/ San Buenaventura	8.31	0.19	0.19	0.19	0.19	0.19
16	VEN US-101 TO	Ventura/ Thousand Oaks	1.99	0.38	0.43	0.43	0.43	0.43

Source: Impact Sciences, 2019

Note: Units are the amount of persons out of one million at risk to develop cancer related to vehicle exhaust.

Table 15
Maximum Exposed Cancer Risk for a Retirement Home Resident

Segment No.	Transportation Segment	County/Region	Simulation 1 Existing Conditions (2019)	Simulation 2 No Project Alternative (2045)	Simulation 3 Local Input Alternative (2045)	Simulation 4 Connect SoCal Plan (2045)	Simulation 5 PEIR Intensified Land Use (2045)	Simulation 6 Accelerated Tomorrow (2045)
1	IMP I-8	Imperial/El Centro	NR	NR	NR	NR	NR	NR
2	IMP SR-78	Imperial/Westmoreland	NR	NR	NR	NR	NR	NR
3	LA I-110	Los Angeles/Carson	2.14	0.77	0.74	0.72	0.73	0.73
4	LA I-710	Los Angeles/Compton	1.28	0.63	0.60	0.62	0.61	0.63
5	LA SR-60 DB	Los Angeles/Diamond Bar	NR	NR	NR	NR	NR	NR
6	LA SR-60 SEM	Los Angeles/ South El Monte	1.01	0.29	0.26	0.26	0.26	0.26
7	ORA I-5	Orange/ Orange	9.40	2.03	2.09	2.08	2.12	2.11
8	ORA I-405	Orange/ Seal Beach	NR	NR	NR	NR	NR	NR
9	RIV I-10	Riverside/ Banning	0.20	0.09	0.09	0.09	0.09	0.09
10	RIV SR-15	Riverside/ Temecula	NR	NR	NR	NR	NR	NR
11	RIV SR-91	Riverside/ Corona	NR	NR	NR	NR	NR	NR
12	SB I-15 ONT	San Bernardino/Ontario	NR	NR	NR	NR	NR	NR
13	SB I-15 VIC	San Bernardino/ Victorville	11.10	4.12	4.13	4.19	4.15	4.15
14	SB SR-60	San Bernardino/ Ontario	NR	NR	NR	NR	NR	NR
15	VEN US-101 SB	Ventura/ San Buenaventura	6.00	1.40	1.37	1.37	1.37	1.37
16	VEN US-101 TO	Ventura/ Thousand Oaks	1.91	0.13	0.41	0.41	0.41	0.41

Source: Impact Sciences, 2019

Note: Units are the amount of persons out of one million at risk to develop cancer related to vehicle exhaust.

4.0 HEALTH RISK COMPARISON TO THE 2016-2040 AND 2012-2035 RTP/SCS PEIRS

In general, health risks along major freeway corridors across the region are expected to be lower than results analyzed in the 2016-2040 RTP. **Table 16, Health Risk Comparisons to the 2016-2040 and 2012-2035 RTP/SCS Plan Cancer Risks**, shows the 70-year residential health risks presented for the 2016-2040 RTP/SCS PEIR and the 2012-2035 RTP/SCS PEIR. The cancer risks shown in the table below is a 70-year residential risk because the 2012-2035 RTP/SCS PEIR risk assessment methodology was based on 70-year exposure. The exception to this is segment number two (Imperial/Westmoreland), which sees vehicle traffic approximately double (both LM and HD vehicles), with LM vehicles increasing from 13,739 to 24,905 and HD vehicles increasing from 2,337 to 4,914. This increase in vehicle traffic accounts for the single segment increase in risk.

Table 16
Health Risk Comparisons to the 2016-2040 and 2012-2035 RTP/SCS Plan Cancer Risks

Segment No.	Transportation Segment	County/Region	2012-2035 Preferred Plan ¹	2016-2040 Preferred Plan	2020-2045 Connect SoCal Plan
1	IMP I-8	Imperial/El Centro	399	21	16.6
2	IMP SR-78	Imperial/Westmoreland	N/A	10	21.6
3	LA I-110	Los Angeles/Carson	N/A	53	26.7
4	LA I-710	Los Angeles/Compton	475	63	35.2
5	LA SR-60 DB	Los Angeles/Diamond Bar	536	68	33.9
6	LA SR-60 SEM	Los Angeles/ South El Monte	N/A	50	18.6
7	ORA I-5	Orange/ Orange	462	37	6.3
8	ORA I-405	Orange/ Seal Beach	N/A	89	13.4
9	RIV I-10	Riverside/ Banning	N/A	17	5.5
10	RIV SR-15	Riverside/ Temecula	N/A	43	10.8
11	RIV SR-91	Riverside/ Corona	668	63	9.6
12	SB I-15 ONT	San Bernardino/Ontario	354	29	11.9
13	SB I-15 VIC	San Bernardino/ Victorville	N/A	73	47.0
14	SB SR-60	San Bernardino/ Ontario	714	44	21.4
15	VEN US-101 SB	Ventura/ San Buenaventura	N/A	13	5.5
16	VEN US-101 TO	Ventura/ Thousand Oaks	199	56	25.0

Source: SCAG. Draft 2012 PEIR, Appendix F Health Risk Assessment; SCAG. Draft 2016 PEIR, Appendix D Health Risk Technical Report.

*Not Available (N/A) denotes segment locations that were not evaluated within the 2012-2035 RTP/SCS PEIR.

Note: Units are the amount of persons out of one million at risk to develop cancer related to vehicle exhaust.

The 2012 analysis was performed prior to the issuance of the 2015 OEHHA HRA Guidance Manual and therefore the results may not be directly comparable to the 2016 or 2019 analyses.

As illustrated in **Table 16**, 2045 cancer risk is further reduced compared to the 2016-2040 RTP. There are several reasons for the decrease in cancer risk. First, the emission factors for the HDDT traffic from the EMFAC2014 modeling used for both the 2040 Preferred Plan and 2045 Connect SoCal Plan health risks are significantly lower than the emission factors from the EMFAC2007 modeling used for the 2012-2035 RTP/SCS. Moreover, the 2045 emission factor estimates from EMFAC2014 are lower than the 2040 emissions factor estimates. Second, the VMT projections for each of the 2045 Plans are reduced as compared to previous years because they rely on updated modeling from SCAG. Finally, state and federal policy aimed at reducing vehicle emissions from both HD and LM traffic will result in a decrease in emissions in the future.

It is important to note that despite the reduction in cancer risk compared to existing conditions, the Plan would still result in exposing sensitive receptors to substantial pollutant concentrations, however such emissions would be substantially less than under existing conditions. As shown in the tables above emissions under the Plan, on all segments, would decrease substantially. Due to the substantial reduction in DPM emissions and associated health risk, overall risk is reduced. The total health risk in analyzed segments under the Plan (268.7 in one million) would be less than the No Project (290.71 in one million). Additionally, the total health (268.7 in one million) risk under the Plan would be less than under existing conditions (857.1 in one million).

Figure 1, Overview Freeway Segments Evaluated in HRA

Attachment A

DPM Emissions for Each Transportation Segment and Evaluation Simulation

IMP I-8
 Region Type: County
 Region: Imperial
 Calendar Year: 2019
 Season: Annual

LM HD
 48,711 8,016
 Segment Length
 3.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP I-8 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	353468.9029	0.996597332	7988.72	0.01840164	147.0056292	0.323				
HHDT	Gas	65	1206.8437	0.003402668		0.000793638			3.01	35	105	1.61166E-05
HHDT Total			354675.7466				Total HD Emissions	0.323				1.61166E-05
LDA	Gas	65	598611.8344			0.001584447						
LDA	Dsl	65	5746.843085	0.0049433	240.7930772	0.014833761	3.571866857	0.008				
LDT1	Gas	65	42496.33613			0.00323407						
LDT1	Dsl	65	51.81772286	4.45724E-05	2.171165761	0.133377489	0.289584637	0.001				
LDT2	Gas	65	200108.3533			0.001686282						
LDT2	Dsl	65	328.9630459	0.000282966	13.78357177	0.005492446	0.075705524	0.000				
LHDT1	Gas	65	23440.77161			0.001506394						
LHDT1	Dsl	65	36142.48423	0.031088918	1514.372303	0.030916965	46.8197954	0.103				
LHDT2	Gas	65	4886.369366			0.001013972						
LHDT2	Dsl	65	11513.31587	0.009903485	482.4086401	0.020911196	10.08774177	0.022				
MCY	Gas	65	6462.426116			0.001784716						
MDV	Gas	65	165856.6013			0.001715857						
MDV	Dsl	65	2149.232563	0.00184872	90.05297601	0.013699343	1.233666573	0.003				
MH	Gas	65	1730.065935			0.003633941						
MH	Dsl	65	408.9351012	0.000351756	17.13440579	0.180480251	3.092421865	0.007				
MHDT	Dsl	65	45815.78204	0.039409663	1919.684073	0.001419119	2.724259967	0.006				
MHDT	Gas	65	7485.286485			0.09705685						
OBUS	Dsl	65	6122.991657	0.005266854	256.5537254	0.000868787	0.222890449	0.000				
OBUS	Gas	65	2714.536722			0.014253786						
SBUS	Dsl	65	0	0		0.035736923						
UBUS	Gas	65	222.0756676		0	0.000896434						
UBUS	Dsl	65	256.6924823	0.000220801	10.75543073	0.099749064	0.009641538	0.000	3.01	35	105	
Total LM Emissions								0.150				7.46901E-06
Total DPM Emissions								0.473	TOTAL Emissions			2.36E-05

IMP SR-78

Region Type: County
 Region: Imperial
 Calendar Year: 2019
 Season: Annual

LM HD
 18,814 3,491
 Segment Length
 0.87 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP SR-78 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources*	Emissions (g/s)
HHDT	Dsl	65	353468.9	0.996597332	3479.12	0.01840164	64.02153838	0.141				
HHDT	Gas	65	1206.8437			0.000793638			0.87	54	54	1.36933E-05
HHDT Total			354675.75				Total HD Emissio	0.141				1.36933E-05
LDA	Gas	65	598611.83			0.001584447						
LDA	Dsl	65	5746.8431	0.0049433	93.0032427	0.014833761	1.379587835	0.003				
LDT1	Gas	65	42496.336			0.00323407						
LDT1	Dsl	65	51.817723	4.45724E-05	0.838584973	0.133377489	0.111848358	0.000				
LDT2	Gas	65	200108.35			0.001686282						
LDT2	Dsl	65	328.96305	0.000282966	5.323728096	0.005492446	0.029240289	0.000				
LHDT1	Gas	65	23440.772			0.001506394						
LHDT1	Dsl	65	36142.484	0.031088918	584.9069102	0.030916965	18.08354644	0.040				
LHDT2	Gas	65	4886.3694			0.001013972						
LHDT2	Dsl	65	11513.316	0.009903485	186.32416	0.020911196	3.896261083	0.009				
MCY	Gas	65	6462.4261			0.001784716						
MDV	Gas	65	165856.6			0.001715857						
MDV	Dsl	65	2149.2326	0.00184872	34.78180884	0.013699343	0.476487916	0.001				
MH	Gas	65	1730.0659			0.003633941						
MH	Dsl	65	408.9351	0.000351756	6.617944827	0.180480251	1.194408347	0.003				
MHDT	Dsl	65	45815.782	0.039409663	741.4533916	0.001419119	1.052210528	0.002				
MHDT	Gas	65	7485.2865			0.09705685						
OBUS	Dsl	65	6122.9917	0.005266854	99.09059125	0.000868787	0.086088582	0.000				
OBUS	Gas	65	2714.5367			0.014253786						
SBUS	Dsl	65	0	0	0	0.035736923	0	0.000				
UBUS	Gas	65	222.07567			0.000896434						
UBUS	Dsl	65	256.69248	0.000220801	4.154147395	0.099749064	0.414372314	0.001	0.87	54	54	
Total LM Emissio								0.059				5.71588E-06
Total DPM Emiss								0.200	TOTAL Emissions			1.94E-05

*modeled for entire segment length in AERSCREEN

LA I-110

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2019
 Season: Annual

LM HD
 340,176 31,325
 Segment Length
 4.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-110 Diesel VMT	PM_10RUNEX	DPM Emisisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	704291.2502	0.992165319	31079.58	0.021440115	666.3497477	1.466				
HHDT	Gas	65	5561.469586			0.000718674			4.01	29	116	6.61812E-05
HHDT Total			709852.7198				Total HD Emissions	1.466				6.61812E-05
LDA	Gas	65	4431187.582			0.001647154						
LDA	Dsl	65	41278.75174	0.004654251	1583.264647	0.020140285	31.88740134	0.070				
LDT1	Gas	65	382686.0335			0.002936996						
LDT1	Dsl	65	456.8351383	5.1509E-05	17.52211231	0.129940434	2.276830872	0.005				
LDT2	Gas	65	1680915.694			0.001610703						
LDT2	Dsl	65	2959.095195	0.000333643	113.4973954	0.005062972	0.574634148	0.001				
LHDT1	Gas	65	215820.887			0.001406922						
LHDT1	Dsl	65	292180.5369	0.032943867	11206.71278	0.018951018	212.3786109	0.467				
LHDT2	Gas	65	53313.68422			0.0009825						
LHDT2	Dsl	65	142264.9191	0.016040618	5456.633436	0.014840051	80.97671596	0.178				
MCY	Gas	65	40419.34754			0.001874315						
MDV	Gas	65	1021563.082			0.001830843						
MDV	Dsl	65	17547.22181	0.00197848	673.0313968	0.006889903	4.637120932	0.010				
MH	Gas	65	14356.06309			0.002076982						
MH	Dsl	65	4380.687206	0.00049393	168.0231812	0.142415437	23.92909477	0.053				
MHDT	Dsl	65	407721.4759	0.04597131	15638.33622	0.000914564	14.30226353	0.031				
MHDT	Gas	65	52939.20564			0.091157047						
OBUS	Dsl	65	36840.38952	0.004153818	1413.029315	0.000707654	0.999936389	0.002				
OBUS	Gas	65	20992.3803			0.0008422						
SBUS	Dsl	65	0	0	0	0.034991116	0	0.000				
UBUS	Gas	65	2485.718017			0.001502012						
UBUS	Dsl	65	6732.341005	0.000759083	258.2218952	0.420834693	9.035472267	0.020	4.01	29	116	
Total LM Emissions								0.838				3.78403E-05
Total DPM Emissions								2.304	TOTAL Emissions			1.04E-04

LA I-710

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2019
 Season: Annual

LM HD
 258,877 31,402
 Segment Length
 2.1 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	704291.2502	0.992165319	31155.98	0.021440115	667.9877024	1.470				
HHDT	Gas	65	5561.469586			0.000718674			2.1	23	48	0.000159733
HHDT Total			709852.7198				Total HD Emissions	1.470				0.000159733
LDA	Gas	65	4431187.582			0.001647154						
LDA	Dsl	65	41278.75174	0.004654251	1204.878657	0.020140285	24.26659964	0.053				
LDT1	Gas	65	382686.0335			0.002936996						
LDT1	Dsl	65	456.8351383	5.1509E-05	13.33448529	0.129940434	1.732688801	0.004				
LDT2	Gas	65	1680915.694			0.001610703						
LDT2	Dsl	65	2959.095195	0.000333643	86.37254022	0.005062972	0.437301762	0.001				
LHDT1	Gas	65	215820.887			0.001406922						
LHDT1	Dsl	65	292180.5369	0.032943867	8528.409366	0.018951018	161.6220358	0.356				
LHDT2	Gas	65	53313.68422			0.0009825						
LHDT2	Dsl	65	142264.9191	0.016040618	4152.547194	0.014840051	61.62401021	0.136				
MCY	Gas	65	40419.34754			0.001874315						
MDV	Gas	65	1021563.082			0.001830843						
MDV	Dsl	65	17547.22181	0.00197848	512.182955	0.006889903	3.528890797	0.008				
MH	Gas	65	14356.06309			0.002076982						
MH	Dsl	65	4380.687206	0.00049393	127.8671543	0.142415437	18.21025665	0.040				
MHDT	Dsl	65	407721.4759	0.04597131	11900.91472	0.000914564	10.88415137	0.024				
MHDT	Gas	65	52939.20564			0.091157047						
OBUS	Dsl	65	36840.38952	0.004153818	1075.328036	0.000707654	0.760960598	0.002				
OBUS	Gas	65	20992.3803			0.0008422						
SBUS	Dsl	65	0	0	0	0.034991116	0	0.000				
UBUS	Gas	65	2485.718017			0.001502012						
UBUS	Dsl	65	6732.341005	0.000759083	196.5091881	0.420834693	0.295159094	0.001	2.1	23	48	
Total LM Emissions								0.623				6.7759E-05
Total DPM Emissions								2.093	TOTAL Emissions			2.27E-04

LA SR-60 DB

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2019
 Season: Annual

LM 789,087
 Segment Length
 HD 88,034
 7.2 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA SR-60 DB Diesel VMT	PM_10RUNEX	DPM Emisisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	704291.25	0.992165319	87344.28	0.021440115	1872.671467	4.120				
HHDT	Gas	65	5561.46959			0.000718674			7.2	29	209	0.000103587
			HHDT Total				Total HD Emissions	4.120				0.000103587
LDA	Gas	65	4431187.58			0.001647154						
LDA	Dsl	65	41278.7517	0.004654251	3672.609327	0.020140285	73.96739883	0.163				
LDT1	Gas	65	382686.034			0.002936996						
LDT1	Dsl	65	456.835138	5.1509E-05	40.64505149	0.129940434	5.281435615	0.012				
LDT2	Gas	65	1680915.69			0.001610703						
LDT2	Dsl	65	2959.0952	0.000333643	263.2734798	0.005062972	1.332946286	0.003				
LHDT1	Gas	65	215820.887			0.001406922						
LHDT1	Dsl	65	292180.537	0.032943867	25995.5769	0.018951018	492.6426349	1.084				
LHDT2	Gas	65	53313.6842			0.0009825						
LHDT2	Dsl	65	142264.919	0.016040618	12657.44352	0.014840051	187.8371016	0.413				
MCY	Gas	65	40419.3475			0.001874315						
MDV	Gas	65	1021563.08			0.001830843						
MDV	Dsl	65	17547.2218	0.00197848	1561.192811	0.006889903	10.75646679	0.024				
MH	Gas	65	14356.0631			0.002076982						
MH	Dsl	65	4380.68721	0.00049393	389.7538567	0.142415437	55.50696582	0.122				
MHDT	Dsl	65	407721.476	0.04597131	36275.3628	0.000914564	33.17615065	0.073				
MHDT	Gas	65	52939.2056			0.091157047						
OBUS	Dsl	65	36840.3895	0.004153818	3277.72407	0.000707654	2.319495806	0.005				
OBUS	Gas	65	20992.3803			0.0008422						
SBUS	Dsl	65	0	0	0	0.034991116	0	0.000				
UBUS	Gas	65	2485.71802			0.001502012						
UBUS	Dsl	65	6732.34101	0.000759083	598.9827049	0.420834693	0.899679013	0.002	7.2	29	209	
								Total LM Emissions	1.900			4.77766E-05
								Total DPM Emissions	6.020	TOTAL Emissions		1.51E-04

LA SR-60 SEM

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2019
 Season: Annual

LM 367,370
 Segment Length
 HD 33,368
 8.31 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA SR-60 SEM Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	704291.2502	0.992165319	33106.57	0.021440115	709.8087273	1.562				
HHDT	Gas	65	5561.469586			0.000718674			8.31	26	216	3.79437E-05
HHDT Total			709852.7198				Total HD Emissions	1.562				3.79437E-05
LDA	Gas	65	4431187.582			0.001647154						
LDA	Dsl	65	41278.75174	0.004654251	1709.832361	0.020140285	34.43651119	0.076				
LDT1	Gas	65	382686.0335			0.002936996						
LDT1	Dsl	65	456.8351383	5.1509E-05	18.92284699	0.129940434	2.458842944	0.005				
LDT2	Gas	65	1680915.694			0.001610703						
LDT2	Dsl	65	2959.095195	0.000333643	122.5704875	0.005062972	0.62057096	0.001				
LHDT1	Gas	65	215820.887			0.001406922						
LHDT1	Dsl	65	292180.5369	0.032943867	12102.58829	0.018951018	229.3563635	0.505				
LHDT2	Gas	65	53313.68422			0.0009825						
LHDT2	Dsl	65	142264.9191	0.016040618	5892.842016	0.014840051	87.45007332	0.192				
MCY	Gas	65	40419.34754			0.001874315						
MDV	Gas	65	1021563.082			0.001830843						
MDV	Dsl	65	17547.22181	0.00197848	726.8341806	0.006889903	5.007816886	0.011				
MH	Gas	65	14356.06309			0.002076982						
MH	Dsl	65	4380.687206	0.00049393	181.4551176	0.142415437	25.84200986	0.057				
MHDT	Dsl	65	407721.4759	0.04597131	16888.48002	0.000914564	15.44560038	0.034				
MHDT	Gas	65	52939.20564			0.091157047						
OBUS	Dsl	65	36840.38952	0.004153818	1525.988252	0.000707654	1.079872275	0.002				
OBUS	Gas	65	20992.3803			0.0008422						
SBUS	Dsl	65	0	0	0	0.034991116	0	0.000				
UBUS	Gas	65	2485.718017			0.001502012						
UBUS	Dsl	65	6732.341005	0.000759083	278.8644044	0.420834693	0.41885759	0.001	8.31	26	216	
Total LM Emissions								0.885				2.14956E-05
Total DPM Emissions								2.446	TOTAL Emissions			5.94E-05

ORA I-5
 Region Type: County
 Region: Orange
 Calendar Year: 2019
 Season: Annual

LM HD
 488,850 33,264
 Segment Length
 7.11 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-5 Diesel VMT	PM_10RUNEX	DPM Emisissions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	91375.35	0.992193863	33004.34	0.022234621	733.8389165	1.614				
HHDT	Gas	65	718.900299			0.000804361			7.11	14	100	8.51482E-05
HHDT Total			92094.2503				Total HD Emissions	1.614				8.51482E-05
LDA	Gas	65	2284885.55			0.00155607						
LDA	Dsl	65	23090.0337	0.005496547	2686.987199	0.012819766	34.44654774	0.076				
LDT1	Gas	65	188655.136			0.002210392						
LDT1	Dsl	65	124.276547	2.95838E-05	14.46206161	0.106295788	1.537256237	0.003				
LDT2	Gas	65	899950.408			0.001461549						
LDT2	Dsl	65	1631.99531	0.000388494	189.9152921	0.00379919	0.721524311	0.002				
LHDT1	Gas	65	41067.1448			0.001213966						
LHDT1	Dsl	65	60992.7388	0.014519229	7097.724939	0.021781741	154.6008057	0.340				
LHDT2	Gas	65	9747.00966			0.000893972						
LHDT2	Dsl	65	26600.8363	0.006332289	3095.539292	0.01632083	50.52177075	0.111				
MCY	Gas	65	20627.615			0.001854439						
MDV	Gas	65	500022.439			0.001545028						
MDV	Dsl	65	8635.55838	0.002055682	1004.919918	0.005217167	5.242835119	0.012				
MH	Gas	65	3125.28922			0.001764503						
MH	Dsl	65	1280.27595	0.000304768	148.9857101	0.188207309	28.0401996	0.062				
MHDT	Dsl	65	111493.577	0.026540876	12974.50739	0.000841116	10.91307008	0.024				
MHDT	Gas	65	10015.391			0.093706877						
OBUS	Dsl	65	4234.11531	0.001007925	492.7239928	0.000731483	0.360419256	0.001				
OBUS	Gas	65	3462.95736			0.018524254						
SBUS	Dsl	65	0	0	0	0.034991116	0	0.000				
UBUS	Gas	65	494.455487			0.001537319						
UBUS	Dsl	65	688.31381	0.000163852	80.09907716	0.376511988	0.123137872	0.000	7.11	14	100	
Total LM Emissions								0.630				3.32438E-05
Total DPM Emissions								2.245	TOTAL Emissions			1.18E-04

ORA I-405

Region Type: County
 Region: Orange
 Calendar Year: 2019
 Season: Annual

LM HD
 459,825 45,385
 Segment Length
 4.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-405 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	91375.35	0.992193863	45030.72	0.022234621	1001.240958	2.203				
HHDT	Gas	65	718.9003			0.000804361			4.9	21	103	0.000112382
HHDT Total			92094.25				Total HD Emissions	2.203				0.000112382
LDA	Gas	65	2284885.5			0.00155607						
LDA	Dsl	65	23090.034	0.005496547	2527.44991	0.012819766	32.401317	0.071				
LDT1	Gas	65	188655.14			0.002210392						
LDT1	Dsl	65	124.27655	2.95838E-05	13.60339057	0.106295788	1.445983122	0.003				
LDT2	Gas	65	899950.41			0.001461549						
LDT2	Dsl	65	1631.9953	0.000388494	178.6392538	0.00379919	0.678684496	0.001				
LHDT1	Gas	65	41067.145			0.001213966						
LHDT1	Dsl	65	60992.739	0.014519229	6676.304326	0.021781741	145.4215311	0.320				
LHDT2	Gas	65	9747.0097			0.000893972						
LHDT2	Dsl	65	26600.836	0.006332289	2911.744615	0.01632083	47.52208906	0.105				
MCY	Gas	65	20627.615			0.001854439						
MDV	Gas	65	500022.44			0.001545028						
MDV	Dsl	65	8635.5584	0.002055682	945.2537616	0.005217167	4.931546811	0.011				
MH	Gas	65	3125.2892			0.001764503						
MH	Dsl	65	1280.2759	0.000304768	140.1398264	0.188207309	26.37533964	0.058				
MHDT	Dsl	65	111493.58	0.026540876	12204.15845	0.000841116	10.26511701	0.023				
MHDT	Gas	65	10015.391			0.093706877						
OBUS	Dsl	65	4234.1153	0.001007925	463.4689782	0.000731483	0.339019708	0.001				
OBUS	Gas	65	3462.9574			0.018524254						
SBUS	Dsl	65	0	0	0	0.034991116	0	0.000				
UBUS	Gas	65	494.45549			0.001537319						
UBUS	Dsl	65	688.31381	0.000163852	75.34327126	0.376511988	0.115826679	0.000	4.9	21	103	
Total LM Emissions								0.593				3.02489E-05
Total DPM Emissions								2.796	TOTAL Emissions			1.43E-04

RIV I-10

Region Type: County
 Region: Riverside (MD/SCAQMD)
 Calendar Year: 2019
 Season: Annual

LM HD
 634,254 143,445
 Segment Length
 9.97 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV I-10 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	17600.07	0.99805905	143166.58	0.014451913	2069.030961	4.552				
HHDT	Gas	65	34.22725			0.000796647			9.97	34	339	7.04961E-05
HHDT Total			17634.3				Total HD Emissions	4.552				7.04961E-05
LDA	Gas	65	86942.61			0.001595661						
LDA	Dsl	65	893.9098	0.00584817	3709.223089	0.016787825	62.26978762	0.137				
LDT1	Gas	65	6935.496			0.002682941						
LDT1	Dsl	65	8.756155	5.7285E-05	36.33311908	0.148489256	5.395077818	0.012				
LDT2	Gas	65	31836.8			0.001586755						
LDT2	Dsl	65	56.08744	0.00036694	232.7313585	0.01043872	2.42941749	0.005				
LHDT1	Gas	65	1851.491			0.001473728						
LHDT1	Dsl	65	1149.4	0.00751964	4769.363729	0.030007116	143.1148516	0.315				
LHDT2	Gas	65	364.725			0.000957227						
LHDT2	Dsl	65	422.6091	0.00276481	1753.59013	0.021519288	37.73601138	0.083				
MCY	Gas	65	930.3679			0.001870835						
MDV	Gas	65	20330.82			0.001717851						
MDV	Dsl	65	330.8626	0.00216458	1372.893893	0.009637282	13.23096618	0.029				
MH	Gas	65	123.7053			0.002354884						
MH	Dsl	65	22.12969	0.00014478	91.825752	0.207110617	19.01808817	0.042				
MHDT	Dsl	65	173.1294	0.00113265	718.3897907	0.001019459	0.732369246	0.002				
MHDT	Gas	65	294.1683			0.037115165						
OBUS	Dsl	65	2.369655	1.5503E-05	9.832736245	0.000740622	0.007282337	0.000				
OBUS	Gas	65	135.5201			0.018690309						
SBUS	Dsl	65	0	0	0	0.036226893	0	0.000				
UBUS	Gas	65	16.21486			0.001350393						
UBUS	Dsl	65	32.09245	0.00020996	133.1656368	0.419298624	0.179825911	0.000	9.97	34	339	
Total LM Emissions								0.625				9.68034E-06
Total DPM Emissions								5.177	TOTAL Emissions			8.02E-05

RIV SR-15

Region Type: County
 Region: Riverside (MD/SCAQMD)
 Calendar Year: 2019
 Season: Annual

LM HD
 721,533 62,206
 Segment Length
 10.64 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV SR-15 Diesel VMT	PM_10RUNEX	DPM Emisisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	17600.07	0.998059052	62085.26	0.014451913	897.2507929	1.974				
HHDT	Gas	65	34.22725			0.000796647			10.64	23	245	4.23464E-05
HHDT Total			17634.3				Total HD Emissions	1.974				4.23464E-05
LDA	Gas	65	86942.61			0.001595661						
LDA	Dsl	65	893.9098	0.005848167	4219.645226	0.016787825	70.83866506	0.156				
LDT1	Gas	65	6935.496			0.002682941						
LDT1	Dsl	65	8.756155	5.72848E-05	41.3328799	0.148489256	6.137488582	0.014				
LDT2	Gas	65	31836.8			0.001586755						
LDT2	Dsl	65	56.08744	0.000366937	264.7572664	0.01043872	2.763726977	0.006				
LHDT1	Gas	65	1851.491			0.001473728						
LHDT1	Dsl	65	1149.4	0.007519643	5425.670661	0.030007116	162.80873	0.358				
LHDT2	Gas	65	364.725			0.000957227						
LHDT2	Dsl	65	422.6091	0.002764807	1994.899752	0.021519288	42.92882267	0.094				
MCY	Gas	65	930.3679			0.001870835						
MDV	Gas	65	20330.82			0.001717851						
MDV	Dsl	65	330.8626	0.002164581	1561.816322	0.009637282	15.05166498	0.033				
MH	Gas	65	123.7053			0.002354884						
MH	Dsl	65	22.12969	0.000144778	104.4617934	0.207110617	21.6351465	0.048				
MHDT	Dsl	65	173.1294	0.001132653	817.2466249	0.001019459	0.833149778	0.002				
MHDT	Gas	65	294.1683			0.037115165						
OBUS	Dsl	65	2.369655	1.55028E-05	11.18580834	0.000740622	0.008284451	0.000				
OBUS	Gas	65	135.5201			0.018690309						
SBUS	Dsl	65	0	0	0	0.036226893	0	0.000				
UBUS	Gas	65	16.21486			0.001350393						
UBUS	Dsl	65	32.09245	0.000209956	151.4904146	0.419298624	0.204571558	0.000	10.64	23	245	
Total LM Emissions								0.711				1.52542E-05
Total DPM Emissions								2.685	TOTAL Emissions			5.76E-05

RIV SR-91

Region Type: County
 Region: Riverside (MD/SCAQMD)
 Calendar Year: 2019
 Season: Annual

LM HD
 587,908 67,331
 Segment Length
 6.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV SR-15 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	17600.07	0.998059052	67200.31	0.014451913	971.1730884	2.137				
HHDT	Gas	65	34.22725			0.000796647			6.53	17	111	0.000101043
HHDT Total			17634.3				Total HD Emissions	2.137				0.000101043
LDA	Gas	65	86942.61			0.001595661						
LDA	Dsl	65	893.9098	0.005848167	3438.183958	0.016787825	57.71963015	0.127				
LDT1	Gas	65	6935.496			0.002682941						
LDT1	Dsl	65	8.756155	5.72848E-05	33.67819733	0.148489256	5.000850464	0.011				
LDT2	Gas	65	31836.8			0.001586755						
LDT2	Dsl	65	56.08744	0.000366937	215.7252891	0.01043872	2.251895893	0.005				
LHDT1	Gas	65	1851.491			0.001473728						
LHDT1	Dsl	65	1149.4	0.007519643	4420.858349	0.030007116	132.6572102	0.292				
LHDT2	Gas	65	364.725			0.000957227						
LHDT2	Dsl	65	422.6091	0.002764807	1625.452368	0.021519288	34.97857795	0.077				
MCY	Gas	65	930.3679			0.001870835						
MDV	Gas	65	20330.82			0.001717851						
MDV	Dsl	65	330.8626	0.002164581	1272.574242	0.009637282	12.26415736	0.027				
MH	Gas	65	123.7053			0.002354884						
MH	Dsl	65	22.12969	0.000144778	85.1158908	0.207110617	17.62840467	0.039				
MHDT	Dsl	65	173.1294	0.001132653	665.8958478	0.001019459	0.678853801	0.001				
MHDT	Gas	65	294.1683			0.037115165						
OBUS	Dsl	65	2.369655	1.55028E-05	9.114241771	0.000740622	0.006750204	0.000				
OBUS	Gas	65	135.5201			0.018690309						
SBUS	Dsl	65	0	0	0	0.036226893	0	0.000				
UBUS	Gas	65	16.21486			0.001350393						
UBUS	Dsl	65	32.09245	0.000209956	123.4350011	0.419298624	0.166685731	0.000	6.53	17	111	
Total LM Emissions								0.579				2.73999E-05
Total DPM Emissions								2.716	TOTAL Emissions			1.28E-04

SB I-15 ONT

Region Type: County
 Region: San Bernardino (SC)
 Calendar Year: 2019
 Season: Annual

LM HD
 441,453 53,167
 Segment Length
 5.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 ONT Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	231053.946	0.99689035	53001.67	0.021247112	1126.1324	2.477				
HHDT	Gas	65	720.738254			0.000674467			5.9	26	153	8.47884E-05
HHDT Total			231774.684				Total HD Emissions	2.477				8.47884E-05
LDA	Gas	65	1526606.19			0.001564608						
LDA	Dsl	65	13826.2184	0.004900985	2163.554399	0.011600761	25.0988775	0.055				
LDT1	Gas	65	113324.729			0.002858448						
LDT1	Dsl	65	120.262979	4.26297E-05	18.81899229	0.116640665	2.195059776	0.005				
LDT2	Gas	65	517369.764			0.001601508						
LDT2	Dsl	65	849.917481	0.000301271	132.9967928	0.005086146	0.676441105	0.001				
LHDT1	Gas	65	36167.8051			0.001359783						
LHDT1	Dsl	65	76541.1761	0.027131579	11977.31681	0.028459188	340.8647107	0.750				
LHDT2	Gas	65	7532.20716			0.000915139						
LHDT2	Dsl	65	29497.9186	0.010456138	4615.893488	0.021382235	98.6981193	0.217				
MCY	Gas	65	11162.2542			0.001757711						
MDV	Gas	65	377309.084			0.001663403						
MDV	Dsl	65	5373.68146	0.001904811	840.8844569	0.006582282	5.534938625	0.012				
MH	Gas	65	2266.02522			0.002010724						
MH	Dsl	65	990.456055	0.000351087	154.9885507	0.20866764	32.3410951	0.071				
MHDT	Dsl	65	92163.5647	0.032669253	14421.93953	0.001031866	14.88150905	0.033				
MHDT	Gas	65	4329.16797			0.088595818						
OBUS	Dsl	65	3002.72333	0.001064376	469.8721706	0.00076588	0.359865698	0.001				
OBUS	Gas	65	1864.11982			0.018524254						
SBUS	Dsl	65	0	0	0	0.034991116	0	0.000				
UBUS	Gas	65	371.922127			0.001279579						
UBUS	Dsl	65	441.066323	0.000156345	69.01894324	0.42560445	0.08831519	0.000	5.9	26	153	
Total LM Emissions								1.146				3.92073E-05
Total DPM Emissions								3.623	TOTAL Emissions			1.24E-04

SB I-15 VIC

Region Type: County
 Region: San Bernardino (MD)
 Calendar Year: 2019
 Season: Annual

LM HD
 320,364 85,444
 Segment Length
 4.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 VIC Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	231053.95	0.99689035	85178.30	0.021247112	1809.792857	3.982				
HHDT	Gas	65	720.73825			0.000674467			4.53	23	104	0.00020062
HHDT Total			231774.68				Total HD Emissions	3.982				0.00020062
LDA	Gas	65	1526606.2			0.001564608						
LDA	Dsl	65	13826.218	0.004900985	1570.099063	0.011600761	18.21434397	0.040				
LDT1	Gas	65	113324.73			0.002858448						
LDT1	Dsl	65	120.26298	4.26297E-05	13.65700912	0.116640665	1.592962626	0.004				
LDT2	Gas	65	517369.76			0.001601508						
LDT2	Dsl	65	849.91748	0.000301271	96.51624185	0.005086146	0.490895697	0.001				
LHDT1	Gas	65	36167.805			0.001359783						
LHDT1	Dsl	65	76541.176	0.027131579	8691.981075	0.028459188	247.3667235	0.544				
LHDT2	Gas	65	7532.2072			0.000915139						
LHDT2	Dsl	65	29497.919	0.010456138	3349.770194	0.021382235	71.62557348	0.158				
MCY	Gas	65	11162.254			0.001757711						
MDV	Gas	65	377309.08			0.001663403						
MDV	Dsl	65	5373.6815	0.001904811	610.2328179	0.006582282	4.016724493	0.009				
MH	Gas	65	2266.0252			0.002010724						
MH	Dsl	65	990.45605	0.000351087	112.4757382	0.20866764	23.47004685	0.052				
MHDT	Dsl	65	92163.565	0.032669253	10466.05241	0.001031866	10.79956364	0.024				
MHDT	Gas	65	4329.168			0.088595818						
OBUS	Dsl	65	3002.7233	0.001064376	340.9878924	0.00076588	0.261155807	0.001				
OBUS	Gas	65	1864.1198			0.018524254						
SBUS	Dsl	65	0	0	0	0.034991116	0	0.000				
UBUS	Gas	65	371.92213			0.001279579						
UBUS	Dsl	65	441.06632	0.000156345	50.08729068	0.42560445	0.064090645	0.000	4.53	23	104	
Total LM Emissions								0.831				4.18915E-05
Total DPM Emissions								4.813	TOTAL Emissions			2.43E-04

SB SR-60

Region Type: County
 Region: San Bernardino (SC)
 Calendar Year: 2019
 Season: Annual

LM HD
 518,176 82,924
 Segment Length
 8.76 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB SR-60 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	231053.946	0.99689035	82666.14	0.021247112	1756.416633	3.864				
HHDT	Gas	65	720.738254			0.000674467			8.76	28	245	8.27062E-05
HHDT Total			231774.684				Total HD Emissions	3.864				8.27062E-05
LDA	Gas	65	1526606.19			0.001564608						
LDA	Dsl	65	13826.2184	0.004900985	2539.572649	0.011600761	29.46097534	0.065				
LDT1	Gas	65	113324.729			0.002858448						
LDT1	Dsl	65	120.262979	4.26297E-05	22.08966787	0.116640665	2.57655355	0.006				
LDT2	Gas	65	517369.764			0.001601508						
LDT2	Dsl	65	849.917481	0.000301271	156.111174	0.005086146	0.794004223	0.002				
LHDT1	Gas	65	36167.8051			0.001359783						
LHDT1	Dsl	65	76541.1761	0.027131579	14058.93292	0.028459188	400.105815	0.880				
LHDT2	Gas	65	7532.20716			0.000915139						
LHDT2	Dsl	65	29497.9186	0.010456138	5418.119764	0.021382235	115.85151	0.255				
MCY	Gas	65	11162.2542			0.001757711						
MDV	Gas	65	377309.084			0.001663403						
MDV	Dsl	65	5373.68146	0.001904811	987.0272585	0.006582282	6.496891757	0.014				
MH	Gas	65	2266.02522			0.002010724						
MH	Dsl	65	990.456055	0.000351087	181.9250231	0.20866764	37.96186524	0.084				
MHDT	Dsl	65	92163.5647	0.032669253	16928.42259	0.001031866	17.4678637	0.038				
MHDT	Gas	65	4329.16797			0.088595818						
OBUS	Dsl	65	3002.72333	0.001064376	551.5343239	0.00076588	0.422409108	0.001				
OBUS	Gas	65	1864.11982			0.018524254						
SBUS	Dsl	65	0	0	0	0.034991116	0	0.000				
UBUS	Gas	65	371.922127			0.001279579						
UBUS	Dsl	65	441.066323	0.000156345	81.01419615	0.42560445	0.103664064	0.000	8.76	28	245	
Total LM Emissions								1.345				2.87821E-05
Total DPM Emissions								5.209	TOTAL Emissions			1.11E-04

VEN US-101 SB

Region Type: County
 Region: Ventura
 Calendar Year: 2019
 Season: Annual

LM HD
 350,922 27,041
 Segment Length
 3.37 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 SB Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	61116.79408	0.994630134	26895.79	0.030085692	809.1785709	1.780				
HHDT	Gas	65	329.9608427			0.000809414			3.37	34	115	8.15658E-05
HHDT Total			61446.75492				Total HD Emission	1.780				8.15658E-05
LDA	Gas	65	960729.475			0.001611682						
LDA	Dsl	65	10309.28929	0.005843983	2050.78234	0.016421657	33.67724488	0.074				
LDT1	Gas	65	76152.89875			0.002517861						
LDT1	Dsl	65	74.96277831	4.24938E-05	14.91202135	0.13711813	2.044708479	0.004				
LDT2	Gas	65	331731.4325			0.001524109						
LDT2	Dsl	65	618.3660799	0.000350531	123.0088904	0.004736813	0.58267011	0.001				
LHDT1	Gas	65	28322.4404			0.001431637						
LHDT1	Dsl	65	54818.31369	0.031074627	10904.77011	0.028630331	312.2071817	0.687				
LHDT2	Gas	65	6310.911159			0.000864574						
LHDT2	Dsl	65	20571.32321	0.011661179	4092.164374	0.020951233	85.73588795	0.189				
MCY	Gas	65	7067.190545			0.001945475						
MDV	Gas	65	208347.4192			0.001627573						
MDV	Dsl	65	3330.902217	0.001888175	662.6019751	0.006599911	4.373114188	0.010				
MH	Gas	65	2806.109088			0.002169721						
MH	Dsl	65	1088.465217	0.000617014	216.5236791	0.226062112	48.94780019	0.108				
MHDT	Dsl	65	45334.02937	0.02569831	9018.102436	0.00108038	9.742975172	0.021				
MHDT	Gas	65	3508.668118			0.098818536						
OBUS	Dsl	65	1115.724721	0.000632466	221.9462943	0.000749633	0.16637829	0.000				
OBUS	Gas	65	1448.316485			0.018533045						
SBUS	Dsl	65	0	0	0	0.035560559	0	0.000				
UBUS	Gas	65	155.9653573			0.000734216						
UBUS	Dsl	65	243.8008823	0.000138202	48.49825531	0.307787246	0.035608185	0.000	3.37	34	115	
Total LM Emissions								1.095				5.01497E-05
Total DPM Emissions								2.875	TOTAL Emissions			1.32E-04

VEN US-101 TO

Region Type: County
 Region: Ventura
 Calendar Year: 2019
 Season: Annual

LM HD
 160,122 12,868
 Segment Length
 1.73 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 TO Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	61116.794	0.994630134	12798.90	0.030085692	385.0637865	0.847				
HHDT	Gas	65	329.96084			0.000809414			1.73	24	42	0.000107114
HHDT Total			61446.755				Total HD Emissions	0.847				0.000107114
LDA	Gas	65	960729.47			0.001611682						
LDA	Dsl	65	10309.289	0.005843983	935.7503088	0.016421657	15.36657093	0.034				
LDT1	Gas	65	76152.899			0.002517861						
LDT1	Dsl	65	74.962778	4.24938E-05	6.804197748	0.13711813	0.93297887	0.002				
LDT2	Gas	65	331731.43			0.001524109						
LDT2	Dsl	65	618.36608	0.000350531	56.12765673	0.004736813	0.265866214	0.001				
LHDT1	Gas	65	28322.44			0.001431637						
LHDT1	Dsl	65	54818.314	0.031074627	4975.731356	0.028630331	142.4568375	0.313				
LHDT2	Gas	65	6310.9112			0.000864574						
LHDT2	Dsl	65	20571.323	0.011661179	1867.211357	0.020951233	39.1203796	0.086				
MCY	Gas	65	7067.1905			0.001945475						
MDV	Gas	65	208347.42			0.001627573						
MDV	Dsl	65	3330.9022	0.001888175	302.3382787	0.006599911	1.995405788	0.004				
MH	Gas	65	2806.1091			0.002169721						
MH	Dsl	65	1088.4652	0.000617014	98.79746652	0.226062112	22.33436394	0.049				
MHDT	Dsl	65	45334.029	0.02569831	4114.864837	0.00108038	4.445616606	0.010				
MHDT	Gas	65	3508.6681			0.098818536						
OBUS	Dsl	65	1115.7247	0.000632466	101.2717485	0.000749633	0.075916656	0.000				
OBUS	Gas	65	1448.3165			0.018533045						
SBUS	Dsl	65	0	0	0	0.035560559	0	0.000				
UBUS	Gas	65	155.96536			0.000734216						
UBUS	Dsl	65	243.80088	0.000138202	22.12924136	0.307787246	0.016247638	0.000	1.73	24	42	
Total LM Emissions								0.499				6.31481E-05
Total DPM Emissions								1.347	TOTAL Emissions			1.70E-04

IMP I-8

Region Type: County
 Region: Imperial
 Calendar Year: 2045
 Season: Annual

LM HD
 70,801 25,315
 Segment Length
 3.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP I-8 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	467877.9752	0.997337503	25247.60	0.004314442	108.9293014	0.240				
HHDT	Gas	65	1249.049462	0.002662497		0.001021521			3.01	35	105	1.19422E-05
HHDT Total			469127.0246				Total HD Emissions	0.240				1.19422E-05
LDA	Gas	65	686767.7192			0.000609809						
LDA	Dsl	65	9567.830576	0.007581909	536.8067157	0.000543682	0.291851955	0.001				
LDT1	Gas	65	42942.47491			0.000644397						
LDT1	Dsl	65	24.07088072	1.90747E-05	1.350505772	0.003737102	0.005046978	0.000				
LDT2	Gas	65	243651.7037			0.00061275						
LDT2	Dsl	65	535.8929266	0.000424662	30.06647323	0.003161459	0.095053913	0.000				
LHDT1	Gas	65	9714.948108			0.001001585						
LHDT1	Dsl	65	23708.87896	0.018787807	1330.195528	0.005516684	7.338268376	0.016				
LHDT2	Gas	65	3824.71362			0.001022476						
LHDT2	Dsl	65	11786.67135	0.009340202	661.2956077	0.005277536	3.490011601	0.008				
MCY	Gas	65	8004.239877			0.002201437						
MDV	Gas	65	137013.6997			0.000671022						
MDV	Dsl	65	3823.978024	0.003030264	214.5457183	0.000697516	0.149649083	0.000				
MH	Gas	65	1274.502975			0.001016116						
MH	Dsl	65	400.8689421	0.000317664	22.49090204	0.016149733	0.363222066	0.001				
MHDT	Dsl	65	54313.77906	0.043040281	3047.294903	0.001018837	3.104696239	0.007				
MHDT	Gas	65	9463.411087			0.002461454						
OBUS	Dsl	65	11101.80773	0.00879749	622.8710782	0.001022508	0.636890758	0.001				
OBUS	Gas	65	3284.94502			0.002768269						
SBUS	Dsl	65	0	0	0	0.002199722						
UBUS	Gas	65	363.5124097			0.001012229						
UBUS	Dsl	65	359.3736322	0.000284781	20.16279215	0.00619609	0.124930465	0.000	3.01	35	105	
							Total LM Emissions	0.034				1.71022E-06
							Total DPM Emissions	0.274	TOTAL Emissions			1.3652E-05

IMP SR-78

Region Type: County
 Region: Imperial
 Calendar Year: 2045
 Season: Annual

LM HD
 27,455 5,506
 Segment Length
 0.87 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP SR-78 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	467877.9752	0.997337503	5491.34	0.004314442	23.69206928	0.052				
HHDT	Gas	65	1249.049462			0.001021521			0.87	54	54	5.06736E-06
			HHDT Total				Total HD Emissions	0.052				5.06736E-06
LDA	Gas	65	686767.7192			0.000609809						
LDA	Dsl	65	9567.830576	0.03563191	978.2740878	0.000543682	0.531869659	0.001				
LDT1	Gas	65	42942.47491			0.000644397						
LDT1	Dsl	65	24.07088072	8.96433E-05	2.461155504	0.003737102	0.00919759	0.000				
LDT2	Gas	65	243651.7037			0.00061275						
LDT2	Dsl	65	535.8929266	0.001995739	54.79300243	0.003161459	0.173225813	0.000				
LHDT1	Gas	65	9714.948108			0.001001585						
LHDT1	Dsl	65	23708.87896	0.088295109	2424.142208	0.005516684	13.37322651	0.029				
LHDT2	Gas	65	3824.71362			0.001022476						
LHDT2	Dsl	65	11786.67135	0.043895177	1205.142072	0.005277536	6.360181078	0.014				
MCY	Gas	65	8004.239877			0.002201437						
MDV	Gas	65	137013.6997			0.000671022						
MDV	Dsl	65	3823.978024	0.014241017	390.9871296	0.000697516	0.272719799	0.001				
MH	Gas	65	1274.502975			0.001016116						
MH	Dsl	65	400.8689421	0.001492891	40.98731635	0.016149733	0.661934221	0.001				
MHDT	Dsl	65	54313.77906	0.202271943	5553.376205	0.001018837	5.657984135	0.012				
MHDT	Gas	65	9463.411087			0.002461454						
OBUS	Dsl	65	11101.80773	0.041344651	1135.117386	0.001022508	1.160666786	0.003				
OBUS	Gas	65	3284.94502			0.002768269						
SBUS	Dsl	65	0	0	0	0.002199722						
UBUS	Gas	65	363.5124097			0.001012229						
UBUS	Dsl	65	359.3736322	0.001338357	36.7445796	0.00619609	0.227672705	0.001	0.87	54	54	
								Total LM Emissions				6.08044E-06
								Total DPM Emissions	0.115	TOTAL Emissions		1.1148E-05

*modeled for entire segment length in AERSCREEN

LA I-110

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 339,888 53,899
 Segment Length
 4.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-110 Diesel VMT	PM_10RUNEX	DPM Emisison (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712	0.994214532	53587.17	0.004489986	240.6056192	0.529				
HHDT	Gas	65	4682.727			0.001025111			4.01	29	116	2.38966E-05
HHDT Total			809394.7				Total HD Emissions	0.529				2.38966E-05
LDA	Gas	65	3554539			0.000617625						
LDA	Dsl	65	49409.08	0.006360479	2161.850343	0.000557467	1.205161176	0.003				
LDT1	Gas	65	351918.8			0.000677843						
LDT1	Dsl	65	198.1513	2.55082E-05	8.669932535	0.00425494	0.036890044	0.000				
LDT2	Gas	65	1685801			0.000617054						
LDT2	Dsl	65	3707.939	0.000477327	162.2375549	0.003216718	0.521872444	0.001				
LHDT1	Gas	65	77238.96			0.001006258						
LHDT1	Dsl	65	336226.9	0.043282808	14711.30689	0.004688288	68.97084255	0.152				
LHDT2	Gas	65	34788.99			0.001022679						
LHDT2	Dsl	65	170424.6	0.021938917	7456.774627	0.005337568	39.80104017	0.088				
MCY	Gas	65	42645.52			0.002202991						
MDV	Gas	65	909824			0.000668995						
MDV	Dsl	65	25783.82	0.003319176	1128.147925	0.000687321	0.77539952	0.002				
MH	Gas	65	8910.371			0.001012904						
MH	Dsl	65	3547.172	0.000456631	155.2033466	0.015106615	2.344597179	0.005				
MHDT	Dsl	65	416990.2	0.053679547	18245.03393	0.001022603	18.65742982	0.041				
MHDT	Gas	65	34913.98			0.002338275						
OBUS	Dsl	65	41629.97	0.005359066	1821.482127	0.001021766	1.861128503	0.004				
OBUS	Gas	65	14765.97			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.642			0.001006684						
UBUS	Dsl	65	2478.472	0.000319056	108.4433225	0.148869079	0.10916814	0.000	4.01	29	116	
Total LM Emissions								0.295				1.33368E-05
Total DPM Emissions								0.825	TOTAL Emissions			3.7233E-05

LA I-710

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 402,225 68,588
 Segment Length
 2.1 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisison (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712	0.994214532	68191.19	0.004489986	306.1774469	0.674				
HHDT	Gas	65	4682.727			0.001025111			2.1	23	48	7.32147E-05
HHDT Total			809394.7				Total HD Emissions	0.674				7.32147E-05
LDA	Gas	65	3554539			0.000617625						
LDA	Dsl	65	49409.08	0.006360479	2558.343497	0.000557467	1.426193199	0.003				
LDT1	Gas	65	351918.8			0.000677843						
LDT1	Dsl	65	198.1513	2.55082E-05	10.26003747	0.00425494	0.043655845	0.000				
LDT2	Gas	65	1685801			0.000617054						
LDT2	Dsl	65	3707.939	0.000477327	191.9926579	0.003216718	0.617586216	0.001				
LHDT1	Gas	65	77238.96			0.001006258						
LHDT1	Dsl	65	336226.9	0.043282808	17409.42727	0.004688288	81.62040774	0.180				
LHDT2	Gas	65	34788.99			0.001022679						
LHDT2	Dsl	65	170424.6	0.021938917	8824.380898	0.005337568	47.10073136	0.104				
MCY	Gas	65	42645.52			0.002202991						
MDV	Gas	65	909824			0.000668995						
MDV	Dsl	65	25783.82	0.003319176	1335.055368	0.000687321	0.917611306	0.002				
MH	Gas	65	8910.371			0.001012904						
MH	Dsl	65	3547.172	0.000456631	183.6683439	0.015106615	2.77460693	0.006				
MHDT	Dsl	65	416990.2	0.053679547	21591.25587	0.001022603	22.07928703	0.049				
MHDT	Gas	65	34913.98			0.002338275						
OBUS	Dsl	65	41629.97	0.005359066	2155.550206	0.001021766	2.202467907	0.005				
OBUS	Gas	65	14765.97			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.642			0.001006684						
UBUS	Dsl	65	2478.472	0.000319056	128.3323195	0.148869079	0.129190072	0.000	2.1	23	48	
Total LM Emissions								0.350				3.79998E-05
Total DPM Emissions								1.023	TOTAL Emissions			1.1121E-04

LA SR-60 DB

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 759,035 110,961
 Segment Length
 7.2 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712	0.994214532	110319.04	0.004489986	495.3308987	1.090				
HHDT	Gas	65	4682.727			0.001025111			7.2	29	209	2.73992E-05
HHDT Total			809394.7				Total HD Emissions	1.090				2.73992E-05
LDA	Gas	65	3554539			0.000617625						
LDA	Dsl	65	49409.08	0.006360479	4827.825858	0.000557467	2.69135572	0.006				
LDT1	Gas	65	351918.8			0.000677843						
LDT1	Dsl	65	198.1513	2.55082E-05	19.36161983	0.00425494	0.082382534	0.000				
LDT2	Gas	65	1685801			0.000617054						
LDT2	Dsl	65	3707.939	0.000477327	362.3075322	0.003216718	1.165441117	0.003				
LHDT1	Gas	65	77238.96			0.001006258						
LHDT1	Dsl	65	336226.9	0.043282808	32853.16583	0.004688288	154.0251009	0.339				
LHDT2	Gas	65	34788.99			0.001022679						
LHDT2	Dsl	65	170424.6	0.021938917	16652.40588	0.005337568	88.88334547	0.196				
MCY	Gas	65	42645.52			0.002202991						
MDV	Gas	65	909824			0.000668995						
MDV	Dsl	65	25783.82	0.003319176	2519.370381	0.000687321	1.731615633	0.004				
MH	Gas	65	8910.371			0.001012904						
MH	Dsl	65	3547.172	0.000456631	346.5987978	0.015106615	5.235934542	0.012				
MHDT	Dsl	65	416990.2	0.053679547	40744.6551	0.001022603	41.6656141	0.092				
MHDT	Gas	65	34913.98			0.002338275						
OBUS	Dsl	65	41629.97	0.005359066	4067.718443	0.001021766	4.156256394	0.009				
OBUS	Gas	65	14765.97			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.642			0.001006684						
UBUS	Dsl	65	2478.472	0.000319056	242.1747084	0.148869079	0.243793366	0.001	7.2	29	209	
Total LM Emissions								0.660				1.65879E-05
Total DPM Emissions								1.749	TOTAL Emissions			4.3987E-05

LA SR-60 SEM

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 362,602 39,110
 Segment Length
 8.31 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712	0.994214532	38883.73	0.004489986	174.5873906	0.384				
HHDT	Gas	65	4682.727			0.001025111			8.31	26	216	9.33278E-06
HHDT Total			809394.7				Total HD Emissions	0.384				9.33278E-06
LDA	Gas	65	3554539			0.000617625						
LDA	Dsl	65	49409.08	0.006360479	2306.322254	0.000557467	1.285699562	0.003				
LDT1	Gas	65	351918.8			0.000677843						
LDT1	Dsl	65	198.1513	2.55082E-05	9.249325887	0.00425494	0.039355328	0.000				
LDT2	Gas	65	1685801			0.000617054						
LDT2	Dsl	65	3707.939	0.000477327	173.0795494	0.003216718	0.556748081	0.001				
LHDT1	Gas	65	77238.96			0.001006258						
LHDT1	Dsl	65	336226.9	0.043282808	15694.43258	0.004688288	73.58001886	0.162				
LHDT2	Gas	65	34788.99			0.001022679						
LHDT2	Dsl	65	170424.6	0.021938917	7955.095189	0.005337568	42.46085995	0.093				
MCY	Gas	65	42645.52			0.002202991						
MDV	Gas	65	909824			0.000668995						
MDV	Dsl	65	25783.82	0.003319176	1203.539677	0.000687321	0.827217838	0.002				
MH	Gas	65	8910.371			0.001012904						
MH	Dsl	65	3547.172	0.000456631	165.5752597	0.015106615	2.501281676	0.006				
MHDT	Dsl	65	416990.2	0.053679547	19464.31117	0.001022603	19.90426661	0.044				
MHDT	Gas	65	34913.98			0.002338275						
OBUS	Dsl	65	41629.97	0.005359066	1943.207946	0.001021766	1.985503805	0.004				
OBUS	Gas	65	14765.97			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.642			0.001006684						
UBUS	Dsl	65	2478.472	0.000319056	115.6903616	0.148869079	0.116463618	0.000	8.31	26	216	
Total LM Emissions								0.315				7.658E-06
Total DPM Emissions								0.699	TOTAL Emissions			1.6991E-05

ORA I-5
 Region Type: County
 Region: Orange
 Calendar Year: 2045
 Season: Annual

LM HD
 365,751 35,868
 Segment Length
 7.11 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-5 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	153993.1	0.993334547	35628.92	0.004390344	156.4232309	0.344				
HHDT	Gas	65	1033.321			0.001025276			7.11	14	100	1.815E-05
HHDT Total			155026.4				Total HD Emissions	0.344				1.815E-05
LDA	Gas	65	2247130			0.000606964						
LDA	Dsl	65	31292.79	0.007321937	2678.005627	0.00053549	1.434046539	0.003				
LDT1	Gas	65	200126.8			0.000650632						
LDT1	Dsl	65	110.67	2.58947E-05	9.471029991	0.003325643	0.031497268	0.000				
LDT2	Gas	65	983956.1			0.000605762						
LDT2	Dsl	65	2165.695	0.000506733	185.3379984	0.003119863	0.578229246	0.001				
LHDT1	Gas	65	17717.03			0.001003301						
LHDT1	Dsl	65	70955.25	0.01660222	6072.278423	0.004895683	29.72795203	0.065				
LHDT2	Gas	65	7951.384			0.001022359						
LHDT2	Dsl	65	35749.33	0.008364683	3059.391247	0.005344754	16.35169501	0.036				
MCY	Gas	65	23932.04			0.002200421						
MDV	Gas	65	471900.4			0.000654405						
MDV	Dsl	65	13390.65	0.003133165	1145.958135	0.000658269	0.75434843	0.002				
MH	Gas	65	2253.591			0.001010546						
MH	Dsl	65	864.9048	0.000202372	74.01768279	0.020018122	1.481694984	0.003				
MHDT	Dsl	65	145509.7	0.034046599	12452.57746	0.00102122	12.71681626	0.028				
MHDT	Gas	65	7722.828			0.002341319						
OBUS	Dsl	65	6168.257	0.001443258	527.8732133	0.001022419	0.539707377	0.001				
OBUS	Gas	65	3827.042			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	556.9458			0.000998951						
UBUS	Dsl	65	559.8969	0.000131006	47.9154142	0.150386559	0.047865167	0.000	7.11	14	100	
Total LM Emissions								0.140				7.38699E-06
Total DPM Emissions								0.484	TOTAL Emissions			2.5537E-05

ORA I-4055

Region Type: County
 Region: Orange
 Calendar Year: 2045
 Season: Annual

LM HD
 451,179 64,272
 Segment Length
 4.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-405 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	153993.1	0.993334547	63843.60	0.004390344	280.2953579	0.617				
HHDT	Gas	65	1033.321			0.001025276			4.9	21	103	3.1461E-05
			HHDT Total	155026.4			Total HD Emissio	0.617				3.1461E-05
LDA	Gas	65	2247130			0.000606964						
LDA	Dsl	65	31292.79	0.007321937	3303.504025	0.00053549	1.768994982	0.004				
LDT1	Gas	65	200126.8			0.000650632						
LDT1	Dsl	65	110.67	2.58947E-05	11.68316653	0.003325643	0.038854045	0.000				
LDT2	Gas	65	983956.1			0.000605762						
LDT2	Dsl	65	2165.695	0.000506733	228.627161	0.003119863	0.713285522	0.002				
LHDT1	Gas	65	17717.03			0.001003301						
LHDT1	Dsl	65	70955.25	0.01660222	7490.57284	0.004895683	36.67147231	0.081				
LHDT2	Gas	65	7951.384			0.001022359						
LHDT2	Dsl	65	35749.33	0.008364683	3773.969404	0.005344754	20.1709398	0.044				
MCY	Gas	65	23932.04			0.002200421						
MDV	Gas	65	471900.4			0.000654405						
MDV	Dsl	65	13390.65	0.003133165	1413.618133	0.000658269	0.930540642	0.002				
MH	Gas	65	2253.591			0.001010546						
MH	Dsl	65	864.9048	0.000202372	91.30589965	0.020018122	1.827772614	0.004				
MHDT	Dsl	65	145509.7	0.034046599	15361.11028	0.00102122	15.68706701	0.035				
MHDT	Gas	65	7722.828			0.002341319						
OBUS	Dsl	65	6168.257	0.001443258	651.1678943	0.001022419	0.665766149	0.001				
OBUS	Gas	65	3827.042			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	556.9458			0.000998951						
UBUS	Dsl	65	559.8969	0.000131006	59.1069571	0.150386559	0.059044973	0.000	4.9	21	103	
								Total LM Emissions				8.81482E-06
								Total DPM Emissions	0.789	TOTAL Emissions		4.0276E-05

RIV I-10

Region Type: County
 Region: Riverside (MD/SCAQMD)
 Calendar Year: 2045
 Season: Annual

LM HD
 747,848 251,961
 Segment Length
 9.97 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV I-10 Diesel VMT	PM_10RUNEX	DPM Emisisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	57425.04	0.99857921	251603.02	0.004249092	1069.0844	2.352				
HHDT	Gas	65	81.70511			0.00102492			9.97	34	339	3.64259E-05
HHDT Total			57506.74				Total HD Emissions	2.352				3.64259E-05
LDA	Gas	65	122364.3			0.000612601						
LDA	Dsl	65	1703.7	0.00784019	5863.27253	0.000557169	3.266833946	0.007				
LDT1	Gas	65	9258.936			0.000651602						
LDT1	Dsl	65	5.167844	2.3782E-05	17.78510555	0.00367529	0.065365426	0.000				
LDT2	Gas	65	50483.5			0.000617877						
LDT2	Dsl	65	111.0284	0.00051094	382.1034358	0.003194747	1.220723945	0.003				
LHDT1	Gas	65	1139.796			0.000999681						
LHDT1	Dsl	65	1439.036	0.00662224	4952.432633	0.005310935	26.30204547	0.058				
LHDT2	Gas	65	458.2873			0.001022422						
LHDT2	Dsl	65	718.9859	0.00330867	2474.385713	0.005329699	13.18773042	0.029				
MCY	Gas	65	1316.038			0.002195013						
MDV	Gas	65	25891.78			0.000662681						
MDV	Dsl	65	732.8776	0.0033726	2522.194004	0.000678552	1.71144009	0.004				
MH	Gas	65	151.5598			0.001009549						
MH	Dsl	65	35.07567	0.00016141	120.7127223	0.020786562	2.509202459	0.006				
MHDT	Dsl	65	516.9635	0.002379	1779.126691	0.001022495	1.81914875	0.004				
MHDT	Gas	65	610.4961			0.002541873						
OBUS	Dsl	65	7.730711	3.5576E-05	26.6051954	0.001022049	0.027191814	0.000				
OBUS	Gas	65	296.2124			0.003099277						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	30.7059			0.001002961						
UBUS	Dsl	65	31.09691	0.0001431	107.0198122	0.134787715	0.107336661	0.000	9.97	34	339	
Total LM Emissions								0.110				1.711E-06
Total DPM Emissions								2.462	TOTAL Emissions			3.8137E-05

RIV I-15

Region Type: County
 Region: Riverside (MD/SCAQMD)
 Calendar Year: 2045
 Season: Annual

LM HD
 1,199,647 146,822
 Segment Length
 10.64 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV I-15 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)		
HHDT	Dsl	65	57425.04	0.99857921	146613.40	0.004249092	622.9738324	1.371						
HHDT	Gas	65	81.70511			0.00102492			10.64	23	245	2.94017E-05		
			HHDT Total				Total HD Emissions:	1.371				2.94017E-05		
LDA	Gas	65	122364.3			0.000612601								
LDA	Dsl	65	1703.7	0.00784019	9405.463812	0.000557169	5.240433273	0.012						
LDT1	Gas	65	9258.936			0.000651602								
LDT1	Dsl	65	5.167844	2.3782E-05	28.52965913	0.00367529	0.104854779	0.000						
LDT2	Gas	65	50483.5			0.000617877								
LDT2	Dsl	65	111.0284	0.00051094	612.9443956	0.003194747	1.958202494	0.004						
LHDT1	Gas	65	1139.796			0.000999681								
LHDT1	Dsl	65	1439.036	0.00662224	7944.356274	0.005310935	42.19195604	0.093						
LHDT2	Gas	65	458.2873			0.001022422								
LHDT2	Dsl	65	718.9859	0.00330867	3969.241608	0.005329699	21.154862	0.047						
MCY	Gas	65	1316.038			0.002195013								
MDV	Gas	65	25891.78			0.000662681								
MDV	Dsl	65	732.8776	0.0033726	4045.932423	0.000678552	2.745376026	0.006						
MH	Gas	65	151.5598			0.001009549								
MH	Dsl	65	35.07567	0.00016141	193.6391555	0.020786562	4.025092268	0.009						
MHDT	Dsl	65	516.9635	0.002379	2853.954276	0.001022495	2.918154947	0.006						
MHDT	Gas	65	610.4961			0.002541873								
OBUS	Dsl	65	7.730711	3.5576E-05	42.67824858	0.001022049	0.043619262	0.000						
OBUS	Gas	65	296.2124			0.003099277								
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000						
UBUS	Gas	65	30.7059			0.001002961								
UBUS	Dsl	65	31.09691	0.0001431	171.6739186	0.134787715	0.172182186	0.000	10.64	23	245			
								Total LM Emissions				0.177	3.80184E-06	
								Total DPM Emissions				1.548	TOTAL Emissions	3.3204E-05

RIV SR-91

Region Type: County
 Region: Riverside (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 602,487 84,613
 Segment Length
 6.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV SR-91 Diesel VMT	PM_10RUNEX	DPM Emisissions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)	
HHDT	Dsl	65	603495.4	0.99835852	84474.11	0.004249092	358.9382749	0.790					
HHDT	Gas	65	992.2554			0.00102492			6.53	17	111	3.73448E-05	
			HHDT Total	604487.6				Total HD Emissic	0.790				3.73448E-05
LDA	Gas	65	2904962			0.000612601						0.002208	
LDA	Dsl	65	40432.59	0.00785878	4734.814429	0.000557169	2.638092025	0.006					
LDT1	Gas	65	193669.1			0.000651602							
LDT1	Dsl	65	107.2822	2.0852E-05	12.56316071	0.00367529	0.046173263	0.000					
LDT2	Gas	65	1109613			0.000617877							
LDT2	Dsl	65	2441.039	0.00047446	285.8551924	0.003194747	0.913235123	0.002					
LHDT1	Gas	65	23046.24			0.000999681							
LHDT1	Dsl	65	81179.12	0.01577859	9506.393095	0.005310935	50.48783133	0.111					
LHDT2	Gas	65	9022.063			0.001022422							
LHDT2	Dsl	65	40978.08	0.00796481	4798.692945	0.005329699	25.57558774	0.056					
MCY	Gas	65	20904.38			0.002195013							
MDV	Gas	65	555323.3			0.000662681							
MDV	Dsl	65	15657.8	0.00304337	1833.589927	0.000678552	1.244186334	0.003					
MH	Gas	65	2513.068			0.001009549							
MH	Dsl	65	973.1266	0.00018914	113.9569283	0.020786562	2.36877273	0.005					
MHDT	Dsl	65	126901.9	0.0246656	14860.70478	0.001022495	15.19500138	0.033					
MHDT	Gas	65	7409.194			0.002541873							
OBUS	Dsl	65	4781.432	0.00092936	559.9244561	0.001022049	0.572270243	0.001					
OBUS	Gas	65	3882.403			0.003099277							
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000					
UBUS	Gas	65	553.727			0.001002961							
UBUS	Dsl	65	541.2736	0.00010521	63.38525106	0.134787715	0.063572913	0.000	6.53	17	111		
								Total LM Emissions	0.218				1.03123E-05
								Total DPM Emissions	1.008	TOTAL Emissions			4.7657E-05

SB I-15 ONT

Region Type: County
 Region: San Bernardino (SC)
 Calendar Year: 2045
 Season: Annual

LM 495,333 HD 75,816
 Segment Length 5.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 ONT Diesel VMT	PM_10RU NEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	200129.6	0.997902691	75656.99	0.004434	335.4911093	0.738				
HHDT	Gas	65	420.6157			0.001025			5.9	26	153	2.52597E-05
HHDT Total			200550.2				Total HD Emission	0.738				2.52597E-05
LDA	Gas	65	1246500			0.000612						
LDA	Dsl	65	17343.7	0.007551791	3740.65128	0.000548	2.048527284	0.005				
LDT1	Gas	65	87185.77			0.000655						
LDT1	Dsl	65	48.8438	2.12676E-05	10.53452327	0.003523	0.03711609	0.000				
LDT2	Gas	65	495944.1			0.000618						
LDT2	Dsl	65	1090.208	0.000474698	235.1336495	0.003191	0.750340889	0.002				
LHDT1	Gas	65	8901.691			0.000999						
LHDT1	Dsl	65	39538.39	0.017215801	8527.554257	0.005194	44.29566114	0.097				
LHDT2	Gas	65	3454.679			0.001022						
LHDT2	Dsl	65	19878.11	0.008655325	4287.268138	0.005269	22.59165998	0.050				
MCY	Gas	65	9472.724			0.002198						
MDV	Gas	65	268924.6			0.000665						
MDV	Dsl	65	7577.061	0.003299203	1634.203943	0.000674	1.101951779	0.002				
MH	Gas	65	799.499			0.001005						
MH	Dsl	65	376.1138	0.000163767	81.11941282	0.0222	1.800874632	0.004				
MHDT	Dsl	65	81834.98	0.035632575	17649.99033	0.001023	18.06229318	0.040				
MHDT	Gas	65	3138.391			0.002343						
OBUS	Dsl	65	2647.007	0.001152559	570.900664	0.001023	0.583876505	0.001				
OBUS	Gas	65	1450.8			0.003045						
SBUS	Dsl	65	0	0	0	0.0022	0	0.000				
UBUS	Gas	65	264.6003			0.001009						
UBUS	Dsl	65	262.2719	0.000114198	56.56622801	0.14977	0.05709099	0.000	5.9	26	153	
Total LM Emissions								0.201				6.87634E-06
Total DPM Emissions								0.939	TOTAL Emissions			3.2136E-05

SB I-15 VIC

Region Type: County
 Region: San Bernardino (MD)
 Calendar Year: 2045
 Season: Annual

LM 377,670 HD 173,351
 Segment Length 4.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 VIC Diesel VMT	PM_10RUNEX	DPM Emisissions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)	
HHDT	Dsl	65	939957.36	0.995648355	172596.64	0.00443437	765.357401	1.684					
HHDT	Gas	65	4108.2383			0.00102483			4.53	23	104	8.4842E-05	
			HHDT Tota	944065.6				Total HD Emissions	1.684				8.4842E-05
LDA	Gas	65	3345467.7			0.0006121							
LDA	Dsl	65	46569.982	0.007936382	2997.33334	0.000547639	1.64145724	0.004					
LDT1	Gas	65	223199			0.00065544							
LDT1	Dsl	65	124.45102	2.12087E-05	8.009906021	0.003523281	0.028221153	0.000					
LDT2	Gas	65	1246398.7			0.000617766							
LDT2	Dsl	65	2741.1446	0.000467141	176.4253201	0.003191125	0.562995266	0.001					
LHDT1	Gas	65	40465.477			0.000999365							
LHDT1	Dsl	65	63822.562	0.010876539	4107.742434	0.005194416	21.33732151	0.047					
LHDT2	Gas	65	15958.609			0.001021923							
LHDT2	Dsl	65	31739.671	0.005409024	2042.826098	0.005269477	10.76462472	0.024					
MCY	Gas	65	53702.04			0.002198055							
MDV	Gas	65	625131.6			0.000664508							
MDV	Dsl	65	17603.569	0.002999972	1132.999425	0.000674305	0.7639871	0.002					
MH	Gas	65	5635.3217			0.001005371							
MH	Dsl	65	1525.7386	0.000260014	98.19946093	0.022200292	2.180056683	0.005					
MHDT	Dsl	65	94731.451	0.016143982	6097.097755	0.00102336	6.239525638	0.014					
MHDT	Gas	65	30676.327			0.002343175							
OBUS	Dsl	65	3642.0987	0.000620681	234.4124553	0.001022729	0.23974035	0.001					
OBUS	Gas	65	15609.667			0.003045399							
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000					
UBUS	Gas	65	1577.6807			0.001009277							
UBUS	Dsl	65	1588.1633	0.000270652	102.2172315	0.149770499	0.103165496	0.000	4.53	23	104		
								Total LM Emissions	0.096			4.86212E-06	
								Total DPM Emissions	1.780	TOTAL Emissions		8.9704E-05	

SB SR-60

Region Type: County
 Region: San Bernardino (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 538,296 119,162
 Segment Length
 8.76 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB SR-60 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	200129.6	0.997902691	118912.08	0.00443437	527.3001948	1.160				
HHDT	Gas	65	420.6157			0.00102483			8.76	28	245	2.48295E-05
HHDT Total			200550.2				Total HD Emissions	1.160				2.48295E-05
LDA	Gas	65	1246500			0.0006121						
LDA	Dsl	65	17343.7	0.007551791	4065.098876	0.000547639	2.226207507	0.005				
LDT1	Gas	65	87185.77			0.00065544						
LDT1	Dsl	65	48.8438	2.12676E-05	11.44824136	0.003523281	0.040335376	0.000				
LDT2	Gas	65	495944.1			0.000617766						
LDT2	Dsl	65	1090.208	0.000474698	255.5281053	0.003191125	0.815422148	0.002				
LHDT1	Gas	65	8901.691			0.000999365						
LHDT1	Dsl	65	39538.39	0.017215801	9267.196707	0.005194416	48.13767144	0.106				
LHDT2	Gas	65	3454.679			0.001021923						
LHDT2	Dsl	65	19878.11	0.008655325	4659.126869	0.005269477	24.55116094	0.054				
MCY	Gas	65	9472.724			0.002198055						
MDV	Gas	65	268924.6			0.000664508						
MDV	Dsl	65	7577.061	0.003299203	1775.947586	0.000674305	1.197530217	0.003				
MH	Gas	65	799.499			0.001005371						
MH	Dsl	65	376.1138	0.000163767	88.15535295	0.022200292	1.957074556	0.004				
MHDT	Dsl	65	81834.98	0.035632575	19180.87266	0.00102336	19.62893683	0.043				
MHDT	Gas	65	3138.391			0.002343175						
OBUS	Dsl	65	2647.007	0.001152559	620.4180699	0.001022729	0.634519378	0.001				
OBUS	Gas	65	1450.8			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	264.6003			0.001009277						
UBUS	Dsl	65	262.2719	0.000114198	61.47253317	0.149770499	0.062042811	0.000	8.76	28	245	
Total LM Emissions								0.218				4.67353E-06
Total DPM Emissions								1.378	TOTAL Emissions			2.9503E-05

VEN US-101 SB

Region Type: County
 Region: Ventura
 Calendar Year: 2045
 Season: Annual

LM 358,463 HD 53,836
 Segment Length 3.37 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 SB Diesel VMT	PM_10RUNEX	DPM Emisisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	70034.90839	0.993256128	53472.94	0.004309139	230.4223001	0.507				
HHDT	Gas	65	475.5132292			0.001025323			3.37	34	115	2.32267E-05
			HHDT Total				Total HD Emissior	0.507				2.32267E-05
LDA	Gas	65	997729.0145			0.000613515						
LDA	Dsl	65	13887.76055	0.007860461	2817.684481	0.000564513	1.590620603	0.003				
LDT1	Gas	65	73374.10961			0.000646402						
LDT1	Dsl	65	40.86191799	2.31278E-05	8.290464956	0.003672462	0.030446415	0.000				
LDT2	Gas	65	362178.7202			0.000603877						
LDT2	Dsl	65	797.3479665	0.000451298	161.7737419	0.003103117	0.502002842	0.001				
LHDT1	Gas	65	8575.401186			0.001000033						
LHDT1	Dsl	65	35784.9118	0.020254231	7260.392362	0.005309288	38.54751666	0.085				
LHDT2	Gas	65	3809.008255			0.001021503						
LHDT2	Dsl	65	17871.35862	0.010115174	3625.915759	0.005326302	19.3127241	0.042				
MCY	Gas	65	6967.471097			0.002194021						
MDV	Gas	65	177765.6253			0.000643782						
MDV	Dsl	65	5047.56836	0.00285692	1024.099961	0.000627726	0.642854309	0.001				
MH	Gas	65	1073.513606			0.000997337						
MH	Dsl	65	423.5448782	0.000239726	85.93292099	0.029177471	2.507305268	0.006				
MHDT	Dsl	65	54488.02204	0.030840176	11055.06201	0.001023363	11.31334047	0.025				
MHDT	Gas	65	3548.425005			0.002346996						
OBUS	Dsl	65	1327.10641	0.000751141	269.2563082	0.001022489	0.275311523	0.001				
OBUS	Gas	65	1619.295978			0.002952713						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	238.5062521			0.001013263						
UBUS	Dsl	65	239.4277363	0.000135516	48.57743725	0.090379155	0.04922174	0.000	3.37	34	115	
								Total LM Emissions				7.537E-06
								Total DPM Emissions	0.671	TOTAL Emissions		3.0764E-05

VEN US-101 TO
 Region Type: County
 Region: Ventura
 Calendar Year: 2016
 Season: Annual

LM 160,863 HD 19,462
 Segment Length 1.73 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 TO Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	70034.91	0.993256128	19330.75	0.004309139	83.29888559	0.183				
HHDT	Gas	65	475.5132			0.001025323			1.73	24	42	2.31715E-05
HHDT Total			70510.42				Total HD Emissions	0.183				2.31715E-05
LDA	Gas	65	997729			0.000613515						
LDA	Dsl	65	13887.76	0.007860461	1264.45736	0.000564513	0.713803104	0.002				
LDT1	Gas	65	73374.11			0.000646402						
LDT1	Dsl	65	40.86192	2.31278E-05	3.720409259	0.003672462	0.01366306	0.000				
LDT2	Gas	65	362178.7			0.000603877						
LDT2	Dsl	65	797.348	0.000451298	72.59719816	0.003103117	0.225277597	0.000				
LHDT1	Gas	65	8575.401			0.001000033						
LHDT1	Dsl	65	35784.91	0.020254231	3258.156341	0.005309288	17.29849154	0.038				
LHDT2	Gas	65	3809.008			0.001021503						
LHDT2	Dsl	65	17871.36	0.010115174	1627.157299	0.005326302	8.666731953	0.019				
MCY	Gas	65	6967.471			0.002194021						
MDV	Gas	65	177765.6			0.000643782						
MDV	Dsl	65	5047.568	0.00285692	459.5726532	0.000627726	0.288485765	0.001				
MH	Gas	65	1073.514			0.000997337						
MH	Dsl	65	423.5449	0.000239726	38.56305245	0.029177471	1.125172325	0.002				
MHDT	Dsl	65	54488.02	0.030840176	4961.043233	0.001023363	5.076947656	0.011				
MHDT	Gas	65	3548.425			0.002346996						
OBUS	Dsl	65	1327.106	0.000751141	120.830818	0.001022489	0.123548142	0.000				
OBUS	Gas	65	1619.296			0.002952713						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	238.5063			0.001013263						
UBUS	Dsl	65	239.4277	0.000135516	21.79949475	0.090379155	0.022088631	0.000	1.73	24	42	
Total LM Emissions								0.074				9.33388E-06
Total DPM Emissions								0.257	TOTAL Emissions			3.2505E-05

IMP I-8
 Region Type: County
 Region: Imperial
 Calendar Year: 2045
 Season: Annual

LM HD
 72,724 26,141
 Segment Length
 3.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP I-8 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)		
HHDT	Dsl	65	467877.9752	0.997337503	26071.40	0.004314442	112.4835421	0.247						
HHDT	Gas	65	1249.049462	0.002662497		0.001021521			3.01	35	105	1.23318E-05		
			HHDT Total				Total HD Emissions	0.247				1.23318E-05		
LDA	Gas	65	686767.7192			0.000609809								
LDA	Dsl	65	9567.830576	0.007581909	551.3867348	0.000543682	0.299778843	0.001						
LDT1	Gas	65	42942.47491			0.000644397								
LDT1	Dsl	65	24.07088072	1.90747E-05	1.387186387	0.003737102	0.005184058	0.000						
LDT2	Gas	65	243651.7037			0.00061275								
LDT2	Dsl	65	535.8929266	0.000424662	30.88309818	0.003161459	0.097635639	0.000						
LHDT1	Gas	65	9714.948108			0.001001585								
LHDT1	Dsl	65	23708.87896	0.018787807	1366.324503	0.005516684	7.537580512	0.017						
LHDT2	Gas	65	3824.71362			0.001022476								
LHDT2	Dsl	65	11786.67135	0.009340202	679.256826	0.005277536	3.584802583	0.008						
MCY	Gas	65	8004.239877			0.002201437								
MDV	Gas	65	137013.6997			0.000671022								
MDV	Dsl	65	3823.978024	0.003030264	220.3729194	0.000697516	0.153713649	0.000						
MH	Gas	65	1274.502975			0.001016116								
MH	Dsl	65	400.8689421	0.000317664	23.10176955	0.016149733	0.373087413	0.001						
MHDT	Dsl	65	54313.77906	0.043040281	3130.061412	0.001018837	3.189021806	0.007						
MHDT	Gas	65	9463.411087			0.002461454								
OBUS	Dsl	65	11101.80773	0.00879749	639.7886613	0.001022508	0.654189125	0.001						
OBUS	Gas	65	3284.94502			0.002768269								
SBUS	Dsl	65	0	0	0	0.002199722								
UBUS	Gas	65	363.5124097			0.001012229								
UBUS	Dsl	65	359.3736322	0.000284781	20.71042668	0.00619609	0.128323658	0.000	3.01	35	105			
								Total LM Emissions				0.035	1.75667E-06	
								Total DPM Emissions				0.283	TOTAL Emissions	1.4088E-05

IMP SR-78

Region Type: County
 Region: Imperial
 Calendar Year: 2045
 Season: Annual

LM HD
 27,045 5,428
 Segment Length
 0.87 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP SR-78 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)	
HHDT	Dsl	65	467877.9752	0.997337503	5413.55	0.004314442	23.3564388	0.051					
HHDT	Gas	65	1249.049462			0.001021521			3.01	54	54	4.99557E-06	
			HHDT Total	469127.0246				Total HD Emissions	0.051				4.99557E-06
LDA	Gas	65	686767.7192			0.000609809							
LDA	Dsl	65	9567.830576	0.007581927	205.0532107	0.000543682	0.111483665	0.000					
LDT1	Gas	65	42942.47491			0.000644397							
LDT1	Dsl	65	24.07088072	1.90747E-05	0.515875708	0.003737102	0.00192788	0.000					
LDT2	Gas	65	243651.7037			0.00061275							
LDT2	Dsl	65	535.8929266	0.000424663	11.48500324	0.003161459	0.036309363	0.000					
LHDT1	Gas	65	9714.948108			0.001001585							
LHDT1	Dsl	65	23708.87896	0.018787852	508.1174582	0.005516684	2.803123447	0.006					
LHDT2	Gas	65	3824.71362			0.001022476							
LHDT2	Dsl	65	11786.67135	0.009340224	252.6063546	0.005277536	1.333139216	0.003					
MCY	Gas	65	8004.239877			0.002201437							
MDV	Gas	65	137013.6997			0.000671022							
MDV	Dsl	65	3823.978024	0.003030271	81.95368482	0.000697516	0.057164011	0.000					
MH	Gas	65	1274.502975			0.001016116							
MH	Dsl	65	400.8689421	0.000317664	8.591233194	0.016149733	0.138746123	0.000					
MHDT	Dsl	65	54313.77906	0.043040384	1164.027173	0.001018837	1.18595374	0.003					
MHDT	Gas	65	9463.411087			0.002461454							
OBUS	Dsl	65	11101.80773	0.008797511	237.9286821	0.001022508	0.243284018	0.001					
OBUS	Gas	65	3284.94502			0.002768269							
SBUS	Dsl	65	0	0	0	0.002199722							
UBUS	Gas	65	363.5124097			0.001012229							
UBUS	Dsl	65	359.3736322	0.000284782	7.701925377	0.00619609	0.047721819	0.000	3.01	54	54		
								Total LM Emissions	0.013			1.2745E-06	
								Total DPM Emissions	0.064	TOTAL Emissions		6.2701E-06	

*modeled for entire segment length in AERSCREEN

LA I-110

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM 329,680
 HD 51,814
 Segment Length 4.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-110 Diesel VMT	PM_10RUNEX	DPM Emisisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	51514.23	0.004489986	231.2981605	0.509				
HHDT	Gas	65	4682.727405			0.001025111			4.01	29	116	2.29722E-05
HHDT Tota			809394.7281				Total HD Emissions	0.509				2.29722E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	2096.922578	0.000557467	1.168966061	0.003				
LDT1	Gas	65	351918.8238			0.000677843						
LDT1	Dsl	65	198.1512765	2.55082E-05	8.409544786	0.00425494	0.03578211	0.000				
LDT2	Gas	65	1685801.242			0.000617054						
LDT2	Dsl	65	3707.938726	0.000477327	157.3650058	0.003216718	0.506198828	0.001				
LHDT1	Gas	65	77238.95924			0.001006258						
LHDT1	Dsl	65	336226.8654	0.043282808	14269.47599	0.004688288	66.89941208	0.147				
LHDT2	Gas	65	34788.99327			0.001022679						
LHDT2	Dsl	65	170424.5569	0.021938917	7232.822163	0.005337568	38.6056787	0.085				
MCY	Gas	65	42645.5219			0.002202991						
MDV	Gas	65	909824.0021			0.000668995						
MDV	Dsl	65	25783.8167	0.003319176	1094.265781	0.000687321	0.752111618	0.002				
MH	Gas	65	8910.37144			0.001012904						
MH	Dsl	65	3547.17192	0.000456631	150.5420589	0.015106615	2.2741809	0.005				
MHDT	Dsl	65	416990.184	0.053679547	17697.07312	0.001022603	18.09708335	0.040				
MHDT	Gas	65	34913.98133			0.002338275						
OBUS	Dsl	65	41629.96737	0.005359066	1766.776784	0.001021766	1.805232444	0.004				
OBUS	Gas	65	14765.97186			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0.001006684						
UBUS	Dsl	65	2478.47174	0.000319056	105.1863984	0.148869079	0.105889447	0.000	4.01	29	116	
Total LM Emissions								0.287				1.29363E-05
Total DPM Emissions								0.795	TOTAL Emissions			3.5908E-05

LA I-710

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 334,915 73,920
 Segment Length
 2.1 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisissions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	73492.34	0.004489986	329.9795427	0.726				
HHDT	Gas	65	4682.727405			0.001025111			2.1	23	48	7.89064E-05
HHDT Total			809394.7281				Total HD Emissions	0.726				7.89064E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	2130.219683	0.000557467	1.187528113	0.003				
LDT1	Gas	65	351918.8238			0	0.000677843					
LDT1	Dsl	65	198.1512765	2.55082E-05	8.543080235	0.00425494	0.036350295	0.000				
LDT2	Gas	65	1685801.242			0	0.000617054					
LDT2	Dsl	65	3707.938726	0.000477327	159.8638101	0.003216718	0.514236776	0.001				
LHDT1	Gas	65	77238.95924			0	0.001006258					
LHDT1	Dsl	65	336226.8654	0.043282808	14496.06149	0.004688288	67.96171013	0.150				
LHDT2	Gas	65	34788.99327			0	0.001022679					
LHDT2	Dsl	65	170424.5569	0.021938917	7347.672393	0.005337568	39.21869959	0.086				
MCY	Gas	65	42645.5219			0	0.002202991					
MDV	Gas	65	909824.0021			0	0.000668995					
MDV	Dsl	65	25783.8167	0.003319176	1111.641665	0.000687321	0.764054424	0.002				
MH	Gas	65	8910.37144			0	0.001012904					
MH	Dsl	65	3547.17192	0.000456631	152.9325214	0.015106615	2.310292697	0.005				
MHDT	Dsl	65	416990.184	0.053679547	17978.08555	0.001022603	18.38444755	0.040				
MHDT	Gas	65	34913.98133			0	0.002338275					
OBUS	Dsl	65	41629.96737	0.005359066	1794.831493	0.001021766	1.833897791	0.004				
OBUS	Gas	65	14765.97186			0	0.003045399					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0	0.001006684					
UBUS	Dsl	65	2478.47174	0.000319056	106.8566568	0.148869079	0.10757087	0.000	2.1	23	48	
Total LM Emissions								0.291				3.16408E-05
Total DPM Emissions								1.017	TOTAL Emissions			1.1055E-04

LA SR-60 DB

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 720,800 102,760
 Segment Length
 7.2 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	102165.49	0.004489986	458.7215612	1.009				
HHDT	Gas	65	4682.727405			0.001025111			7.2	29	209	2.53741E-05
HHDT Total			809394.7281				Total HD Emissions	1.009				2.53741E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	4584.63296	0.000557467	2.555783598	0.006				
LDT1	Gas	65	351918.8238			0	0.000677843					
LDT1	Dsl	65	198.1512765	2.55082E-05	18.38631364	0.00425494	0.078232664	0.000				
LDT2	Gas	65	1685801.242			0	0.000617054					
LDT2	Dsl	65	3707.938726	0.000477327	344.0569528	0.003216718	1.106734152	0.002				
LHDT1	Gas	65	77238.95924			0	0.001006258					
LHDT1	Dsl	65	336226.8654	0.043282808	31198.24768	0.004688288	146.2663681	0.322				
LHDT2	Gas	65	34788.99327			0	0.001022679					
LHDT2	Dsl	65	170424.5569	0.021938917	15813.57139	0.005337568	84.40600949	0.186				
MCY	Gas	65	42645.5219			0	0.002202991					
MDV	Gas	65	909824.0021			0	0.000668995					
MDV	Dsl	65	25783.8167	0.003319176	2392.461705	0.000687321	1.644388662	0.004				
MH	Gas	65	8910.37144			0	0.001012904					
MH	Dsl	65	3547.17192	0.000456631	329.1395172	0.015106615	4.972183915	0.011				
MHDT	Dsl	65	416990.184	0.053679547	38692.21761	0.001022603	39.56678499	0.087				
MHDT	Gas	65	34913.98133			0	0.002338275					
OBUS	Dsl	65	41629.96737	0.005359066	3862.814566	0.001021766	3.946892579	0.009				
OBUS	Gas	65	14765.97186			0	0.003045399					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0	0.001006684					
UBUS	Dsl	65	2478.47174	0.000319056	229.9756004	0.148869079	0.231512721	0.001	7.2	29	209	
Total LM Emissions								0.627				1.57523E-05
Total DPM Emissions								1.636	TOTAL Emissions			4.1126E-05

LA SR-60 SEM

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 348,992 32,485
 Segment Length
 8.31 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	32297.06	0.004489986	145.0133312	0.319				
HHDT	Gas	65	4682.727405			0.001025111			8.31	26	216	7.75186E-06
HHDT Tota			809394.7281				Total HD Emissions	0.319				7.75186E-06
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	2219.75614	0.000557467	1.237441772	0.003				
LDT1	Gas	65	351918.8238			0	0.000677843					
LDT1	Dsl	65	198.1512765	2.55082E-05	8.902159227	0.00425494	0.037878155	0.000				
LDT2	Gas	65	1685801.242			0	0.000617054					
LDT2	Dsl	65	3707.938726	0.000477327	166.5831355	0.003216718	0.53585095	0.001				
LHDT1	Gas	65	77238.95924			0	0.001006258					
LHDT1	Dsl	65	336226.8654	0.043282808	15105.35357	0.004688288	70.81824685	0.156				
LHDT2	Gas	65	34788.99327			0	0.001022679					
LHDT2	Dsl	65	170424.5569	0.021938917	7656.506528	0.005337568	40.86712273	0.090				
MCY	Gas	65	42645.5219			0	0.002202991					
MDV	Gas	65	909824.0021			0	0.000668995					
MDV	Dsl	65	25783.8167	0.003319176	1158.365698	0.000687321	0.796168824	0.002				
MH	Gas	65	8910.37144			0	0.001012904					
MH	Dsl	65	3547.17192	0.000456631	159.3605139	0.015106615	2.407397903	0.005				
MHDT	Dsl	65	416990.184	0.053679547	18733.73253	0.001022603	19.15717457	0.042				
MHDT	Gas	65	34913.98133			0	0.002338275					
OBUS	Dsl	65	41629.96737	0.005359066	1870.271061	0.001021766	1.910979377	0.004				
OBUS	Gas	65	14765.97186			0	0.003045399					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0	0.001006684					
UBUS	Dsl	65	2478.47174	0.000319056	111.3480088	0.148869079	0.112092241	0.000	8.31	26	216	
Total LM Emissions								0.303				7.37056E-06
Total DPM Emissions								0.622	TOTAL Emissions			1.5122E-05

ORA I-5

Region Type: County
 Region: Orange
 Calendar Year: 2045
 Season: Annual

LM HD
 381,542 36,592
 Segment Length
 7.11 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-5 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	153993.0915	0.993335	36348.10	0.004390344	159.5806531	0.351				
HHDT	Gas	65	1033.321324			0.001025276			7.11	14	100	1.85163E-05
HHDT Total			155026.4129				Total HD Emissior	0.351				1.85163E-05
LDA	Gas	65	2247129.503			0.000606964						
LDA	Dsl	65	31292.79203	0.007322	2793.626328	0.00053549	1.495960325	0.003				
LDT1	Gas	65	200126.7569			0.000650632						
LDT1	Dsl	65	110.6700333	2.59E-05	9.879933957	0.003325643	0.032857136	0.000				
LDT2	Gas	65	983956.1484			0.000605762						
LDT2	Dsl	65	2165.695016	0.000507	193.3398147	0.003119863	0.60319382	0.001				
LHDT1	Gas	65	17717.03289			0.001003301						
LHDT1	Dsl	65	70955.24518	0.016602	6334.444073	0.004895683	31.01143202	0.068				
LHDT2	Gas	65	7951.384008			0.001022359						
LHDT2	Dsl	65	35749.3252	0.008365	3191.47796	0.005344754	17.05766606	0.038				
MCY	Gas	65	23932.03555			0.002200421						
MDV	Gas	65	471900.4302			0.000654405						
MDV	Dsl	65	13390.6476	0.003133	1195.43394	0.000658269	0.786916806	0.002				
MH	Gas	65	2253.590748			0.001010546						
MH	Dsl	65	864.9048123	0.000202	77.21333565	0.020018122	1.545665952	0.003				
MHDT	Dsl	65	145509.7453	0.034047	12990.2073	0.00102122	13.2658544	0.029				
MHDT	Gas	65	7722.828122			0.002341319						
OBUS	Dsl	65	6168.256899	0.001443	550.6637072	0.001022419	0.563008801	0.001				
OBUS	Gas	65	3827.041697			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	556.9458034			0.000998951						
UBUS	Dsl	65	559.8969161	0.000131	49.98412299	0.150386559	0.049931706	0.000	7.11	14	100	
Total LM Emissions								0.146				7.70592E-06
Total DPM Emissions								0.497	TOTAL Emissions			2.6222E-05

ORA I-4055

Region Type: County
 Region: Orange
 Calendar Year: 2045
 Season: Annual

LM 419,156
 HD 63,583
 Segment Length 4.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-405 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	153993.0915	0.993334547	63159.19	0.004390344	277.2905735	0.610				
HHDT	Gas	65	1033.321324			0.001025276			4.9	21	103	3.11238E-05
HHDT Total			155026.4129				Total HD Emissions	0.610				3.11238E-05
LDA	Gas	65	2247129.503			0.000606964						
LDA	Dsl	65	31292.79203	0.007321937	3069.03365	0.00053549	1.643438326	0.004				
LDT1	Gas	65	200126.7569			0.000650632						
LDT1	Dsl	65	110.6700333	2.58947E-05	10.85393901	0.003325643	0.03609633	0.000				
LDT2	Gas	65	983956.1484			0.000605762						
LDT2	Dsl	65	2165.695016	0.000506733	212.4000592	0.003119863	0.66265918	0.001				
LHDT1	Gas	65	17717.03289			0.001003301						
LHDT1	Dsl	65	70955.24518	0.01660222	6958.919961	0.004895683	34.06866819	0.075				
LHDT2	Gas	65	7951.384008			0.001022359						
LHDT2	Dsl	65	35749.3252	0.008364683	3506.107154	0.005344754	18.73928185	0.041				
MCY	Gas	65	23932.03555			0.002200421						
MDV	Gas	65	471900.4302			0.000654405						
MDV	Dsl	65	13390.6476	0.003133165	1313.284798	0.000658269	0.864494343	0.002				
MH	Gas	65	2253.590748			0.001010546						
MH	Dsl	65	864.9048123	0.000202372	84.82534797	0.020018122	1.698044142	0.004				
MHDT	Dsl	65	145509.7453	0.034046599	14270.83606	0.00102122	14.57365759	0.032				
MHDT	Gas	65	7722.828122			0.002341319						
OBUS	Dsl	65	6168.256899	0.001443258	604.9504297	0.001022419	0.618512555	0.001				
OBUS	Gas	65	3827.041697			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	556.9458034			0.000998951						
UBUS	Dsl	65	559.8969161	0.000131006	54.91176608	0.150386559	0.054854182	0.000	4.9	21	103	
Total LM Emissions								0.161				8.18917E-06
Total DPM Emissions								0.771	TOTAL Emissions			3.9313E-05

RIV I-10

Region Type: County
 Region: Riverside (MD/SCAQMD)
 Calendar Year: 2045
 Season: Annual

LM HD
 723,144 253,336
 Segment Length
 9.97 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV I-10 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	57425.03667	0.99857921	252976.06	0.004249092	1074.918601	2.365				
HHDT	Gas	65	81.70511388			0.00102492			9.97	34	339	3.66247E-05
HHDT Total			57506.74178				Total HD Emisso	2.365				3.66247E-05
LDA	Gas	65	122364.2875			0.000612601						
LDA	Dsl	65	1703.699775	0.00784019	5669.588406	0.000557169	3.158919148	0.007				
LDT1	Gas	65	9258.935654			0	0.000651602					
LDT1	Dsl	65	5.167844437	2.3782E-05	17.19760214	0.00367529	0.06320618	0.000				
LDT2	Gas	65	50483.50114			0	0.000617877					
LDT2	Dsl	65	111.0283608	0.00051094	369.4812408	0.003194747	1.180399221	0.003				
LHDT1	Gas	65	1139.795528			0	0.000999681					
LHDT1	Dsl	65	1439.035679	0.00662224	4788.836694	0.005310935	25.43319815	0.056				
LHDT2	Gas	65	458.2873117			0	0.001022422					
LHDT2	Dsl	65	718.9859183	0.00330867	2392.648215	0.005329699	12.75209418	0.028				
MCY	Gas	65	1316.037979			0	0.002195013					
MDV	Gas	65	25891.77914			0	0.000662681					
MDV	Dsl	65	732.877644	0.0033726	2438.877233	0.000678552	1.654905319	0.004				
MH	Gas	65	151.5598152			0	0.001009549					
MH	Dsl	65	35.07567434	0.00016141	116.7251645	0.020786562	2.426314844	0.005				
MHDT	Dsl	65	516.9634753	0.002379	1720.355997	0.001022495	1.75905599	0.004				
MHDT	Gas	65	610.4960727			0	0.002541873					
OBUS	Dsl	65	7.730710997	3.5576E-05	25.72633399	0.001022049	0.026293575	0.000				
OBUS	Gas	65	296.2124272			0	0.003099277					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	30.70590264			0	0.001002961					
UBUS	Dsl	65	31.09690521	0.0001431	103.4845786	0.134787715	0.103790961	0.000	9.97	34	339	
Total LM Emissions								0.107				1.65448E-06
Total DPM Emissions								2.472	TOTAL Emissions			3.8279E-05

RIV I-15

Region Type: County
 Region: Riverside (MD/SCAQMD)
 Calendar Year: 2045
 Season: Annual

LM HD
 1,156,784 146,056
 Segment Length
 10.64 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV I-15 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)		
HHDT	Dsl	65	57425.03667	0.99857921	145848.48	0.004249092	619.7236522	1.363						
HHDT	Gas	65	81.70511388			0.00102492			10.64	23	245	2.92483E-05		
			HHDT Total	57506.74178			Total HD Emissions	1.363				2.92483E-05		
LDA	Gas	65	122364.2875			0.000612601								
LDA	Dsl	65	1703.699775	0.00784019	9069.409627	0.000557169	5.053194284	0.011						
LDT1	Gas	65	9258.935654			0.000651602								
LDT1	Dsl	65	5.167844437	2.3782E-05	27.51030362	0.00367529	0.101108352	0.000						
LDT2	Gas	65	50483.50114			0.000617877								
LDT2	Dsl	65	111.0283608	0.00051094	591.0440903	0.003194747	1.888236551	0.004						
LHDT1	Gas	65	1139.795528			0.000999681								
LHDT1	Dsl	65	1439.035679	0.00662224	7660.506989	0.005310935	40.68445107	0.090						
LHDT2	Gas	65	458.2873117			0.001022422								
LHDT2	Dsl	65	718.9859183	0.00330867	3827.421887	0.005329699	20.39900561	0.045						
MCY	Gas	65	1316.037979			0.002195013								
MDV	Gas	65	25891.77914			0.000662681								
MDV	Dsl	65	732.877644	0.0033726	3901.372563	0.000678552	2.647284627	0.006						
MH	Gas	65	151.5598152			0.001009549								
MH	Dsl	65	35.07567434	0.00016141	186.720491	0.020786562	3.881277021	0.009						
MHDT	Dsl	65	516.9634753	0.002379	2751.983411	0.001022495	2.813890213	0.006						
MHDT	Gas	65	610.4960727			0.002541873								
OBUS	Dsl	65	7.730710997	3.5576E-05	41.15336854	0.001022049	0.04206076	0.000						
OBUS	Gas	65	296.2124272			0.003099277								
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000						
UBUS	Gas	65	30.70590264			0.001002961								
UBUS	Dsl	65	31.09690521	0.0001431	165.5400649	0.134787715	0.166030172	0.000	10.64	23	245			
								Total LM Emissions				0.171	3.666E-06	
								Total DPM Emissions				1.534	TOTAL Emissions	3.2914E-05

RIV SR-91

Region Type: County
 Region: Riverside (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 601,441 85,765
 Segment Length
 6.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV SR-91 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	603495.3518	0.99835852	85624.22	0.004249092	363.825194	0.800				
HHDT	Gas	65	992.2554051			0.00102492			6.53	17	111	3.78532E-05
HHDT Total			604487.6072				Total HD Emissio	0.800				3.78532E-05
LDA	Gas	65	2904962.144			0.000612601						
LDA	Dsl	65	40432.58932	0.00785878	4726.594142	0.000557169	2.633511936	0.006				
LDT1	Gas	65	193669.0801			0.000651602						
LDT1	Dsl	65	107.2821597	2.0852E-05	12.54134934	0.00367529	0.0460931	0.000				
LDT2	Gas	65	1109612.908			0.000617877						
LDT2	Dsl	65	2441.038772	0.00047446	285.3589086	0.003194747	0.911649622	0.002				
LHDT1	Gas	65	23046.23807			0.000999681						
LHDT1	Dsl	65	81179.12407	0.01577859	9489.888694	0.005310935	50.40017753	0.111				
LHDT2	Gas	65	9022.063228			0.001022422						
LHDT2	Dsl	65	40978.07508	0.00796481	4790.361756	0.005329699	25.53118502	0.056				
MCY	Gas	65	20904.3844			0.002195013						
MDV	Gas	65	555323.3392			0.000662681						
MDV	Dsl	65	15657.80235	0.00304337	1830.406564	0.000678552	1.242026256	0.003				
MH	Gas	65	2513.067667			0.001009549						
MH	Dsl	65	973.1265612	0.00018914	113.7590835	0.020786562	2.364660216	0.005				
MHDT	Dsl	65	126901.8633	0.0246656	14834.90456	0.001022495	15.16862078	0.033				
MHDT	Gas	65	7409.193806			0.002541873						
OBUS	Dsl	65	4781.432499	0.00092936	558.9523505	0.001022049	0.571276704	0.001				
OBUS	Gas	65	3882.402715			0.003099277						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	553.7270488			0.001002961						
UBUS	Dsl	65	541.2735523	0.00010521	63.27520558	0.134787715	0.063462542	0.000	6.53	17	111	
Total LM Emissions								0.218				1.02932E-05
Total DPM Emissions								1.018	TOTAL Emissions			4.8146E-05

SB I-15 ONT

Region Type: County
 Region: San Bernardino (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 406,188 85,507
 Segment Length
 5.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 ONT Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	200129.5545	0.997902691	85327.67	0.00443437	378.374463	0.832				
HHDT	Gas	65	420.6157035			0.00102483			5.9	26	153	2.84885E-05
HHDT Total			200550.1702				Total HD Emissions	0.832				2.84885E-05
LDA	Gas	65	1246500.433			0.0006121						
LDA	Dsl	65	17343.69992	0.007551791	3067.446874	0.000547639	1.67985416	0.004				
LDT1	Gas	65	87185.77028			0.00065544						
LDT1	Dsl	65	48.84379664	2.12676E-05	8.63862682	0.003523281	0.030436313	0.000				
LDT2	Gas	65	495944.1253			0.000617766						
LDT2	Dsl	65	1090.207868	0.000474698	192.8166846	0.003191125	0.61530216	0.001				
LHDT1	Gas	65	8901.691224			0.000999365						
LHDT1	Dsl	65	39538.39345	0.017215801	6992.851695	0.005194416	36.32377816	0.080				
LHDT2	Gas	65	3454.678617			0.001021923						
LHDT2	Dsl	65	19878.11386	0.008655325	3515.689183	0.005269477	18.52584258	0.041				
MCY	Gas	65	9472.723827			0.002198055						
MDV	Gas	65	268924.6384			0.000664508						
MDV	Dsl	65	7577.060964	0.003299203	1340.096523	0.000674305	0.903633695	0.002				
MH	Gas	65	799.4989937			0.001005371						
MH	Dsl	65	376.1138498	0.000163767	66.5203652	0.022200292	1.476771515	0.003				
MHDT	Dsl	65	81834.98352	0.035632575	14473.52442	0.00102336	14.81162519	0.033				
MHDT	Gas	65	3138.391106			0.002343175						
OBUS	Dsl	65	2647.006914	0.001152559	468.1557637	0.001022729	0.478796345	0.001				
OBUS	Gas	65	1450.800385			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	264.6002512			0.001009277						
UBUS	Dsl	65	262.2718908	0.000114198	46.38601309	0.149770499	0.046816334	0.000	5.9	26	153	
Total LM Emissions								0.165				5.63881E-06
Total DPM Emissions								0.997	TOTAL Emissions			3.4127E-05

SB I-15 VIC

Region Type: County
 Region: San Bernardino (MD)
 Calendar Year: 2045
 Season: Annual

LM 374,475
 HD 173,857
 Segment Length 4.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 VIC Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	939957.3646	0.995648355	173100.44	0.00443437	767.5914281	1.689				
HHDT	Gas	65	4108.238294			0.00102483			4.53	23	104	8.50896E-05
HHDT Total			944065.6029				Total HD Emissions	1.689				8.50896E-05
LDA	Gas	65	3345467.725			0.0006121						
LDA	Dsl	65	46569.98247	0.007936382	2971.9766	0.000547639	1.627570896	0.004				
LDT1	Gas	65	223198.9989			0.00065544						
LDT1	Dsl	65	124.4510172	2.12087E-05	7.942144087	0.003523281	0.027982409	0.000				
LDT2	Gas	65	1246398.67			0.000617766						
LDT2	Dsl	65	2741.144588	0.000467141	174.9328031	0.003191125	0.558232457	0.001				
LHDT1	Gas	65	40465.47663			0.000999365						
LHDT1	Dsl	65	63822.56206	0.010876539	4072.991892	0.005194416	21.15681276	0.047				
LHDT2	Gas	65	15958.60853			0.001021923						
LHDT2	Dsl	65	31739.67148	0.005409024	2025.544266	0.005269477	10.67355851	0.023				
MCY	Gas	65	53702.03968			0.002198055						
MDV	Gas	65	625131.5956			0.000664508						
MDV	Dsl	65	17603.56869	0.002999972	1123.414514	0.000674305	0.757523948	0.002				
MH	Gas	65	5635.321691			0.001005371						
MH	Dsl	65	1525.7386	0.000260014	97.36871642	0.022200292	2.161613913	0.005				
MHDT	Dsl	65	94731.45069	0.016143982	6045.517731	0.00102336	6.186740708	0.014				
MHDT	Gas	65	30676.32694			0.002343175						
OBUS	Dsl	65	3642.098724	0.000620681	232.4293807	0.001022729	0.237712203	0.001				
OBUS	Gas	65	15609.66688			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	1577.680665			0.001009277						
UBUS	Dsl	65	1588.163257	0.000270652	101.3524976	0.149770499	0.10229274	0.000	4.53	23	104	
Total LM Emissions								0.096				4.82099E-06
Total DPM Emissions								1.784	TOTAL Emissions			8.9911E-05

SB SR-60

Region Type: County
 Region: San Bernardino (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 485,642 116,756
 Segment Length
 8.76 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB SR-60 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	200129.5545	0.997902691	116511.13	0.00443437	516.6534763	1.137				
HHDT	Gas	65	420.6157035			0.00102483			8.76	28	245	2.43282E-05
HHDT Total			200550.1702				Total HD Emissions	1.137				2.43282E-05
LDA	Gas	65	1246500.433			0.0006121						
LDA	Dsl	65	17343.69992	0.007551791	3667.466874	0.000547639	2.008448634	0.004				
LDT1	Gas	65	87185.77028			0.00065544						
LDT1	Dsl	65	48.84379664	2.12676E-05	10.32841937	0.003523281	0.036389928	0.000				
LDT2	Gas	65	495944.1253			0.000617766						
LDT2	Dsl	65	1090.207868	0.000474698	230.5333499	0.003191125	0.735660757	0.002				
LHDT1	Gas	65	8901.691224			0.000999365						
LHDT1	Dsl	65	39538.39345	0.017215801	8360.715931	0.005194416	43.42903353	0.096				
LHDT2	Gas	65	3454.678617			0.001021923						
LHDT2	Dsl	65	19878.11386	0.008655325	4203.389382	0.005269477	22.14966282	0.049				
MCY	Gas	65	9472.723827			0.002198055						
MDV	Gas	65	268924.6384			0.000664508						
MDV	Dsl	65	7577.060964	0.003299203	1602.23137	0.000674305	1.080392515	0.002				
MH	Gas	65	799.4989937			0.001005371						
MH	Dsl	65	376.1138498	0.000163767	79.53234265	0.022200292	1.765641211	0.004				
MHDT	Dsl	65	81834.98352	0.035632575	17304.67505	0.00102336	17.70891135	0.039				
MHDT	Gas	65	3138.391106			0.002343175						
OBUS	Dsl	65	2647.006914	0.001152559	559.7312117	0.001022729	0.572453186	0.001				
OBUS	Gas	65	1450.800385			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	264.6002512			0.001009277						
UBUS	Dsl	65	262.2718908	0.000114198	55.45953147	0.149770499	0.055974027	0.000	8.76	28	245	
Total LM Emissions								0.197				4.21638E-06
Total DPM Emissions								1.334	TOTAL Emissions			2.8545E-05

VEN US-101 SB

Region Type: County
 Region: Ventura
 Calendar Year: 2045
 Season: Annual

LM 286,318 HD 55,704
 Segment Length 3.37 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 SB Diesel VMT	PM_10RUNEX	DPM Emisisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	70034.90839	0.993256128	55328.34	0.004309139	238.4174865	0.525				
HHDT	Gas	65	475.5132292			0.001025323			3.37	34	115	2.40327E-05
HHDT Total			70510.42162				Total HD Emisio	0.525				2.40327E-05
LDA	Gas	65	997729.0145			0.000613515						
LDA	Dsl	65	13887.76055	0.007860461	2250.591512	0.000564513	1.270489032	0.003				
LDT1	Gas	65	73374.10961			0.000646402						
LDT1	Dsl	65	40.86191799	2.31278E-05	6.621908943	0.003672462	0.024318707	0.000				
LDT2	Gas	65	362178.7202			0.000603877						
LDT2	Dsl	65	797.3479665	0.000451298	129.2148262	0.003103117	0.400968718	0.001				
LHDT1	Gas	65	8575.401186			0.001000033						
LHDT1	Dsl	65	35784.9118	0.020254231	5799.150875	0.005309288	30.78936424	0.068				
LHDT2	Gas	65	3809.008255			0.001021503						
LHDT2	Dsl	65	17871.35862	0.010115174	2896.156503	0.005326302	15.42580556	0.034				
MCY	Gas	65	6967.471097			0.002194021						
MDV	Gas	65	177765.6253			0.000643782						
MDV	Dsl	65	5047.56836	0.00285692	817.9874981	0.000627726	0.51347213	0.001				
MH	Gas	65	1073.513606			0.000997337						
MH	Dsl	65	423.5448782	0.000239726	68.63788472	0.029177471	2.002679857	0.004				
MHDT	Dsl	65	54488.02204	0.030840176	8830.097514	0.001023363	9.036394316	0.020				
MHDT	Gas	65	3548.425005			0.002346996						
OBUS	Dsl	65	1327.10641	0.000751141	215.0652303	0.001022489	0.21990176	0.000				
OBUS	Gas	65	1619.295978			0.002952713						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	238.5062521			0.001013263						
UBUS	Dsl	65	239.4277363	0.000135516	38.80064241	0.090379155	0.039315272	0.000	3.37	34	115	
Total LM Emissions								0.131				6.02009E-06
Total DPM Emissions								0.656	TOTAL Emissions			3.0053E-05

VEN US-101 TO

Region Type: County
 Region: Ventura
 Calendar Year: 2016
 Season: Annual

LM 208,936
 Segment Length
 HD 20,449
 1.73 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 TO Diesel VMT	PM_10R UNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	70034.90839	0.993256128	20311.09	0.004309	87.52332296	0.193				
HHDT	Gas	65	475.5132292			0.001025			1.73	24	42	2.43466E-05
HHDT Total			70510.42162				Total HD Emissions	0.193				2.43466E-05
LDA	Gas	65	997729.0145			0.000614						
LDA	Dsl	65	13887.76055	0.007860461	1642.333309	0.000565	0.927119134	0.002				
LDT1	Gas	65	73374.10961			0.000646						
LDT1	Dsl	65	40.86191799	2.31278E-05	4.832232577	0.003672	0.017746189	0.000				
LDT2	Gas	65	362178.7202			0.000604						
LDT2	Dsl	65	797.3479665	0.000451298	94.29246125	0.003103	0.292600535	0.001				
LHDT1	Gas	65	8575.401186			0.001						
LHDT1	Dsl	65	35784.9118	0.020254231	4231.837982	0.005309	22.46804814	0.049				
LHDT2	Gas	65	3809.008255			0.001022						
LHDT2	Dsl	65	17871.35862	0.010115174	2113.424078	0.005326	11.2567359	0.025				
MCY	Gas	65	6967.471097			0.002194						
MDV	Gas	65	177765.6253			0.000644						
MDV	Dsl	65	5047.56836	0.00285692	596.9133478	0.000628	0.374698108	0.001				
MH	Gas	65	1073.513606			0.000997						
MH	Dsl	65	423.5448782	0.000239726	50.08740311	0.029177	1.461423727	0.003				
MHDT	Dsl	65	54488.02204	0.030840176	6443.623014	0.001023	6.59416482	0.015				
MHDT	Gas	65	3548.425005			0.002347						
OBUS	Dsl	65	1327.10641	0.000751141	156.9404262	0.001022	0.160469807	0.000				
OBUS	Gas	65	1619.295978			0.002953						
SBUS	Dsl	65	0	0	0	0.0022	0	0.000				
UBUS	Gas	65	238.5062521			0.001013						
UBUS	Dsl	65	239.4277363	0.000135516	28.31415078	0.090379	0.028689693	0.000	1.73	24	42	
Total LM Emissions								0.096				1.21233E-05
Total DPM Emissions								0.288	TOTAL Emissions			3.6470E-05

IMP I-8
 Region Type: County
 Region: Imperial
 Calendar Year: 2045
 Season: Annual

LM HD
 68,510 26,191
 Segment Length
 3.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP I-8 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)		
HHDT	Dsl	65	467877.9752	0.997337503	26121.27	0.004314442	112.6986899	0.248						
HHDT	Gas	65	1249.049462	0.002662497		0.001021521			3.01	35	105	1.23554E-05		
			HHDT Total				Total HD Emissions	0.248				1.23554E-05		
LDA	Gas	65	686767.7192			0.000609809								
LDA	Dsl	65	9567.830576	0.007581909	519.4365629	0.000543682	0.282408121	0.001						
LDT1	Gas	65	42942.47491			0.000644397								
LDT1	Dsl	65	24.07088072	1.90747E-05	1.306805702	0.003737102	0.004883667	0.000						
LDT2	Gas	65	243651.7037			0.00061275								
LDT2	Dsl	65	535.8929266	0.000424662	29.09357327	0.003161459	0.09197813	0.000						
LHDT1	Gas	65	9714.948108			0.001001585								
LHDT1	Dsl	65	23708.87896	0.018787807	1287.152662	0.005516684	7.100814486	0.016						
LHDT2	Gas	65	3824.71362			0.001022476								
LHDT2	Dsl	65	11786.67135	0.009340202	639.897206	0.005277536	3.377080758	0.007						
MCY	Gas	65	8004.239877			0.002201437								
MDV	Gas	65	137013.6997			0.000671022								
MDV	Dsl	65	3823.978024	0.003030264	207.6033836	0.000697516	0.144806693	0.000						
MH	Gas	65	1274.502975			0.001016116								
MH	Dsl	65	400.8689421	0.000317664	21.76313468	0.016149733	0.351468817	0.001						
MHDT	Dsl	65	54313.77906	0.043040281	2948.689621	0.001018837	3.004233547	0.007						
MHDT	Gas	65	9463.411087			0.002461454								
OBUS	Dsl	65	11101.80773	0.00879749	602.716029	0.001022508	0.616282056	0.001						
OBUS	Gas	65	3284.94502			0.002768269								
SBUS	Dsl	65	0	0	0	0.002199722								
UBUS	Gas	65	363.5124097			0.001012229								
UBUS	Dsl	65	359.3736322	0.000284781	19.51035847	0.00619609	0.120887928	0.000	3.01	35	105			
								Total LM Emissions				0.033	1.65488E-06	
								Total DPM Emissions				0.281	TOTAL Emissions	1.4010E-05

IMP SR-78

Region Type: County
 Region: Imperial
 Calendar Year: 2045
 Season: Annual

LM HD
 24,905 4,914
 Segment Length
 0.87 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP SR-78 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	467877.9752	0.997337503	4900.92	0.004314442	21.14472002	0.047				
HHDT	Gas	65	1249.049462			0.001021521			3.01	54	54	4.52252E-06
			HHDT Total				Total HD Emissions	0.047				4.52252E-06
LDA	Gas	65	686767.7192			0.000609809						
LDA	Dsl	65	9567.830576	0.007581909	188.827435	0.000543682	0.102662009	0.000				
LDT1	Gas	65	42942.47491			0.000644397						
LDT1	Dsl	65	24.07088072	1.90747E-05	0.475054677	0.003737102	0.001775328	0.000				
LDT2	Gas	65	243651.7037			0.00061275						
LDT2	Dsl	65	535.8929266	0.000424662	10.57619969	0.003161459	0.033436218	0.000				
LHDT1	Gas	65	9714.948108			0.001001585						
LHDT1	Dsl	65	23708.87896	0.018787807	467.910334	0.005516684	2.581313449	0.006				
LHDT2	Gas	65	3824.71362			0.001022476						
LHDT2	Dsl	65	11786.67135	0.009340201	232.6177183	0.005277536	1.227648461	0.003				
MCY	Gas	65	8004.239877			0.002201437						
MDV	Gas	65	137013.6997			0.000671022						
MDV	Dsl	65	3823.978024	0.003030264	75.46872364	0.000697516	0.052640646	0.000				
MH	Gas	65	1274.502975			0.001016116						
MH	Dsl	65	400.8689421	0.000317664	7.911412465	0.016149733	0.1277672	0.000				
MHDT	Dsl	65	54313.77906	0.04304028	1071.918185	0.001018837	1.092109711	0.002				
MHDT	Gas	65	9463.411087			0.002461454						
OBUS	Dsl	65	11101.80773	0.00879749	219.101484	0.001022508	0.224033054	0.000				
OBUS	Gas	65	3284.94502			0.002768269						
SBUS	Dsl	65	0	0	0	0.002199722						
UBUS	Gas	65	363.5124097			0.001012229						
UBUS	Dsl	65	359.3736322	0.000284781	7.092475209	0.00619609	0.043945611	0.000	3.01	54	54	
								Total LM Emissions				1.17365E-06
								Total DPM Emissions	0.059	TOTAL Emissions		5.6962E-06

*modeled for entire segment length in AERSCREEN

LA I-110

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 310,964 51,764
 Segment Length
 4.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-110 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	51464.52	0.004489986	231.07496	0.508				
HHDT	Gas	65	4682.727405			0.001025111			4.01	29	116	2.295E-05
HHDT Total			809394.7281				Total HD Emissions	0.508				2.295E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	1977.879861	0.000557467	1.102603622	0.002				
LDT1	Gas	65	351918.8238			0.000677843						
LDT1	Dsl	65	198.1512765	2.55082E-05	7.932133235	0.00425494	0.033750752	0.000				
LDT2	Gas	65	1685801.242			0.000617054						
LDT2	Dsl	65	3707.938726	0.000477327	148.4313628	0.003216718	0.477461818	0.001				
LHDT1	Gas	65	77238.95924			0.001006258						
LHDT1	Dsl	65	336226.8654	0.043282808	13459.39497	0.004688288	63.10151898	0.139				
LHDT2	Gas	65	34788.99327			0.001022679						
LHDT2	Dsl	65	170424.5569	0.021938917	6822.213392	0.005337568	36.41402655	0.080				
MCY	Gas	65	42645.5219			0.002202991						
MDV	Gas	65	909824.0021			0.000668995						
MDV	Dsl	65	25783.8167	0.003319176	1032.144092	0.000687321	0.70941409	0.002				
MH	Gas	65	8910.37144			0.001012904						
MH	Dsl	65	3547.17192	0.000456631	141.9957559	0.015106615	2.145075193	0.005				
MHDT	Dsl	65	416990.184	0.053679547	16692.40671	0.001022603	17.06970828	0.038				
MHDT	Gas	65	34913.98133			0.002338275						
OBUS	Dsl	65	41629.96737	0.005359066	1666.47651	0.001021766	1.702749034	0.004				
OBUS	Gas	65	14765.97186			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0.001006684						
UBUS	Dsl	65	2478.47174	0.000319056	99.21494533	0.148869079	0.099878082	0.000	4.01	29	116	
Total LM Emissions								0.270				1.22019E-05
Total DPM Emissions								0.779	TOTAL Emissions			3.5152E-05

LA I-710

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 334,577 73,387
 Segment Length
 2.1 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	72962.42	0.004489986	327.6002259	0.721				
HHDT	Gas	65	4682.727405			0.001025111			2.1	23	48	7.83375E-05
HHDT Total			809394.7281				Total HD Emissions	0.721				7.83375E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	2128.069842	0.000557467	1.186329646	0.003				
LDT1	Gas	65	351918.8238			0	0.000677843					
LDT1	Dsl	65	198.1512765	2.55082E-05	8.534458462	0.00425494	0.03631361	0.000				
LDT2	Gas	65	1685801.242			0	0.000617054					
LDT2	Dsl	65	3707.938726	0.000477327	159.7024738	0.003216718	0.513717803	0.001				
LHDT1	Gas	65	77238.95924			0	0.001006258					
LHDT1	Dsl	65	336226.8654	0.043282808	14481.4319	0.004688288	67.89312241	0.149				
LHDT2	Gas	65	34788.99327			0	0.001022679					
LHDT2	Dsl	65	170424.5569	0.021938917	7340.257039	0.005337568	39.17911964	0.086				
MCY	Gas	65	42645.5219			0	0.002202991					
MDV	Gas	65	909824.0021			0	0.000668995					
MDV	Dsl	65	25783.8167	0.003319176	1110.519784	0.000687321	0.763283332	0.002				
MH	Gas	65	8910.37144			0	0.001012904					
MH	Dsl	65	3547.17192	0.000456631	152.7781801	0.015106615	2.307961123	0.005				
MHDT	Dsl	65	416990.184	0.053679547	17959.94186	0.001022603	18.36589376	0.040				
MHDT	Gas	65	34913.98133			0	0.002338275					
OBUS	Dsl	65	41629.96737	0.005359066	1793.020129	0.001021766	1.832047001	0.004				
OBUS	Gas	65	14765.97186			0	0.003045399					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0	0.001006684					
UBUS	Dsl	65	2478.47174	0.000319056	106.7488158	0.148869079	0.107462308	0.000	2.1	23	48	
Total LM Emissions								0.291				3.16088E-05
Total DPM Emissions								1.012	TOTAL Emissions			1.0995E-04

LA SR-60 DB

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 694,684 108,871
 Segment Length
 7.2 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	108241.13	0.004489986	486.00112	1.069				
HHDT	Gas	65	4682.727405			0.001025111			7.2	29	209	2.68831E-05
HHDT Total			809394.7281				Total HD Emissions	1.069				2.68831E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	4418.522701	0.000557467	2.463182537	0.005				
LDT1	Gas	65	351918.8238			0.000677843						
LDT1	Dsl	65	198.1512765	2.55082E-05	17.72014138	0.00425494	0.075398141	0.000				
LDT2	Gas	65	1685801.242			0.000617054						
LDT2	Dsl	65	3707.938726	0.000477327	331.5910935	0.003216718	1.066634999	0.002				
LHDT1	Gas	65	77238.95924			0.001006258						
LHDT1	Dsl	65	336226.8654	0.043282808	30067.87388	0.004688288	140.9668502	0.310				
LHDT2	Gas	65	34788.99327			0.001022679						
LHDT2	Dsl	65	170424.5569	0.021938917	15240.61463	0.005337568	81.34781395	0.179				
MCY	Gas	65	42645.5219			0.002202991						
MDV	Gas	65	909824.0021			0.000668995						
MDV	Dsl	65	25783.8167	0.003319176	2305.778118	0.000687321	1.584809231	0.003				
MH	Gas	65	8910.37144			0.001012904						
MH	Dsl	65	3547.17192	0.000456631	317.2141459	0.015106615	4.792031924	0.011				
MHDT	Dsl	65	416990.184	0.053679547	37290.32256	0.001022603	38.13320264	0.084				
MHDT	Gas	65	34913.98133			0.002338275						
OBUS	Dsl	65	41629.96737	0.005359066	3722.857206	0.001021766	3.803888907	0.008				
OBUS	Gas	65	14765.97186			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0.001006684						
UBUS	Dsl	65	2478.47174	0.000319056	221.6431326	0.148869079	0.22312456	0.000	7.2	29	209	
Total LM Emissions								0.604				1.51816E-05
Total DPM Emissions								1.673	TOTAL Emissions			4.2065E-05

LA SR-60 SEM

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 338,836 33,134
 Segment Length
 8.31 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	32942.30	0.004489986	147.910473	0.325				
HHDT	Gas	65	4682.727405			0.001025111			8.31	26	216	7.90673E-06
			HHDT Tota		809394.7281		Total HD Emissions	0.325				7.90673E-06
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	2155.15912	0.000557467	1.201431037	0.003				
LDT1	Gas	65	351918.8238			0	0.000677843					
LDT1	Dsl	65	198.1512765	2.55082E-05	8.643097904	0.00425494	0.036775864	0.000				
LDT2	Gas	65	1685801.242			0	0.000617054					
LDT2	Dsl	65	3707.938726	0.000477327	161.7354074	0.003216718	0.520257177	0.001				
LHDT1	Gas	65	77238.95924			0	0.001006258					
LHDT1	Dsl	65	336226.8654	0.043282808	14665.77338	0.004688288	68.75736833	0.151				
LHDT2	Gas	65	34788.99327			0	0.001022679					
LHDT2	Dsl	65	170424.5569	0.021938917	7433.694887	0.005337568	39.67785049	0.087				
MCY	Gas	65	42645.5219			0	0.002202991					
MDV	Gas	65	909824.0021			0	0.000668995					
MDV	Dsl	65	25783.8167	0.003319176	1124.656152	0.000687321	0.772999552	0.002				
MH	Gas	65	8910.37144			0	0.001012904					
MH	Dsl	65	3547.17192	0.000456631	154.7229709	0.015106615	2.337340329	0.005				
MHDT	Dsl	65	416990.184	0.053679547	18188.56305	0.001022603	18.59968252	0.041				
MHDT	Gas	65	34913.98133			0	0.002338275					
OBUS	Dsl	65	41629.96737	0.005359066	1815.84439	0.001021766	1.855368055	0.004				
OBUS	Gas	65	14765.97186			0	0.003045399					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0	0.001006684					
UBUS	Dsl	65	2478.47174	0.000319056	108.1076755	0.148869079	0.10883025	0.000	8.31	26	216	
								Total LM Emissions	0.295			7.15607E-06
								Total DPM Emissions	0.620	TOTAL Emissions		1.5063E-05

ORA I-5

Region Type: County
 Region: Orange
 Calendar Year: 2045
 Season: Annual

LM HD
 362,162 37,257
 Segment Length
 7.11 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-5 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	153993.0915	0.993334547	37008.67	0.004390344	162.4807715	0.357				
HHDT	Gas	65	1033.321324			0.001025276			7.11	14	100	1.88528E-05
HHDT Total			155026.4129				Total HD Emissio	0.357				1.88528E-05
LDA	Gas	65	2247129.503			0.000606964						
LDA	Dsl	65	31292.79203	0.007321937	2651.727197	0.00053549	1.41997469	0.003				
LDT1	Gas	65	200126.7569			0.000650632						
LDT1	Dsl	65	110.6700333	2.58947E-05	9.37809374	0.003325643	0.031188195	0.000				
LDT2	Gas	65	983956.1484			0.000605762						
LDT2	Dsl	65	2165.695016	0.000506733	183.5193346	0.003119863	0.572555263	0.001				
LHDT1	Gas	65	17717.03289			0.001003301						
LHDT1	Dsl	65	70955.24518	0.01660222	6012.693057	0.004895683	29.43624095	0.065				
LHDT2	Gas	65	7951.384008			0.001022359						
LHDT2	Dsl	65	35749.3252	0.008364683	3029.370399	0.005344754	16.19124095	0.036				
MCY	Gas	65	23932.03555			0.002200421						
MDV	Gas	65	471900.4302			0.000654405						
MDV	Dsl	65	13390.6476	0.003133165	1134.713207	0.000658269	0.746946245	0.002				
MH	Gas	65	2253.590748			0.001010546						
MH	Dsl	65	864.9048123	0.000202372	73.29137045	0.020018122	1.467155575	0.003				
MHDT	Dsl	65	145509.7453	0.034046599	12330.38422	0.00102122	12.59203013	0.028				
MHDT	Gas	65	7722.828122			0.002341319						
OBUS	Dsl	65	6168.256899	0.001443258	522.6933588	0.001022419	0.534411398	0.001				
OBUS	Gas	65	3827.041697			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	556.9458034			0.000998951						
UBUS	Dsl	65	559.8969161	0.000131006	47.44523525	0.150386559	0.047395481	0.000	7.11	14	100	
Total LM Emissions								0.139				7.31451E-06
Total DPM Emissions								0.496	TOTAL Emissions			2.6167E-05

ORA I-4055

Region Type: County
 Region: Orange
 Calendar Year: 2045
 Season: Annual

LM HD
 404,006 63,210
 Segment Length
 4.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-405 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	153993.0915	0.993334547	62788.68	0.004390344	275.6638905	0.606				
HHDT	Gas	65	1033.321324			0.001025276			4.9	21	103	3.09412E-05
HHDT Total			155026.4129				Total HD Emissions	0.606				3.09412E-05
LDA	Gas	65	2247129.503			0.000606964						
LDA	Dsl	65	31292.79203	0.007321937	2958.106311	0.00053549	1.584037791	0.003				
LDT1	Gas	65	200126.7569			0.000650632						
LDT1	Dsl	65	110.6700333	2.58947E-05	10.46163358	0.003325643	0.034791662	0.000				
LDT2	Gas	65	983956.1484			0.000605762						
LDT2	Dsl	65	2165.695016	0.000506733	204.7230585	0.003119863	0.638707986	0.001				
LHDT1	Gas	65	17717.03289			0.001003301						
LHDT1	Dsl	65	70955.24518	0.01660222	6707.396334	0.004895683	32.83728817	0.072				
LHDT2	Gas	65	7951.384008			0.001022359						
LHDT2	Dsl	65	35749.3252	0.008364683	3379.382203	0.005344754	18.0619681	0.040				
MCY	Gas	65	23932.03555			0.002200421						
MDV	Gas	65	471900.4302			0.000654405						
MDV	Dsl	65	13390.6476	0.003133165	1265.817352	0.000658269	0.833248007	0.002				
MH	Gas	65	2253.590748			0.001010546						
MH	Dsl	65	864.9048123	0.000202372	81.75941543	0.020018122	1.636669931	0.004				
MHDT	Dsl	65	145509.7453	0.034046599	13755.03009	0.00102122	14.04690642	0.031				
MHDT	Gas	65	7722.828122			0.002341319						
OBUS	Dsl	65	6168.256899	0.001443258	583.0850645	0.001022419	0.596156999	0.001				
OBUS	Gas	65	3827.041697			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	556.9458034			0.000998951						
UBUS	Dsl	65	559.8969161	0.000131006	52.92703186	0.150386559	0.052871529	0.000	4.9	21	103	
Total LM Emissions								0.155				7.89318E-06
Total DPM Emissions								0.761	TOTAL Emissions			3.8834E-05

RIV I-10

Region Type: County
 Region: Riverside
 Calendar Year: 2045
 Season: Annual

LM HD
 689,301 245,273
 Segment Length
 9.97 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV I-10 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)	
HHDT	Dsl	65	57425.03667	0.99857921	244924.52	0.004249092	1040.706848	2.290					
HHDT	Gas	65	81.70511388			0.00102492			9.97	34	339	3.5459E-05	
			HHDT Total				Total HD Emissions	2.290				3.5459E-05	
LDA	Gas	65	122364.2875			0.000612601							
LDA	Dsl	65	1703.699775	0.00784019	5404.25276	0.000557169	3.01108234	0.007					
LDT1	Gas	65	9258.935654			0.000651602							
LDT1	Dsl	65	5.167844437	2.3782E-05	16.39275767	0.00367529	0.060248143	0.000					
LDT2	Gas	65	50483.50114			0.000617877							
LDT2	Dsl	65	111.0283608	0.00051094	352.1895898	0.003194747	1.125156765	0.002					
LHDT1	Gas	65	1139.795528			0.000999681							
LHDT1	Dsl	65	1439.035679	0.00662224	4564.720058	0.005310935	24.24292937	0.053					
LHDT2	Gas	65	458.2873117			0.001022422							
LHDT2	Dsl	65	718.9859183	0.00330867	2280.672739	0.005329699	12.15529863	0.027					
MCY	Gas	65	1316.037979			0.002195013							
MDV	Gas	65	25891.77914			0.000662681							
MDV	Dsl	65	732.877644	0.0033726	2324.738248	0.000678552	1.577456068	0.003					
MH	Gas	65	151.5598152			0.001009549							
MH	Dsl	65	35.07567434	0.00016141	111.2624493	0.020786562	2.312763776	0.005					
MHDT	Dsl	65	516.9634753	0.002379	1639.843668	0.001022495	1.676732508	0.004					
MHDT	Gas	65	610.4960727			0.002541873							
OBUS	Dsl	65	7.730710997	3.5576E-05	24.52234651	0.001022049	0.02506304	0.000					
OBUS	Gas	65	296.2124272			0.003099277							
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000					
UBUS	Gas	65	30.70590264			0.001002961							
UBUS	Dsl	65	31.09690521	0.0001431	98.6415202	0.134787715	0.098933564	0.000	9.97	34	339		
								Total LM Emissions				0.102	1.57705E-06
								Total DPM Emissions	2.391	TOTAL Emissions		3.7036E-05	

RIV I-15

Region Type: County
 Region: Riverside
 Calendar Year: 2045
 Season: Annual

LM HD
 1,149,936 145,421
 Segment Length
 10.64 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV I-15 Diesel VMT	PM_10RU NEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	57425.03667	0.99857921	145214.39	0.004249	617.0293	1.357				
HHDT	Gas	65	81.70511388			0.001025			10.64	23	245	2.91212E-05
HHDT Total			57506.74178				Total HD E	1.357				2.91212E-05
LDA	Gas	65	122364.2875			0.000613						
LDA	Dsl	65	1703.699775	0.00784019	9015.719986	0.000557	5.02328	0.011				
LDT1	Gas	65	9258.935654			0.000652						
LDT1	Dsl	65	5.167844437	2.3782E-05	27.34744645	0.003675	0.10051	0.000				
LDT2	Gas	65	50483.50114			0.000618						
LDT2	Dsl	65	111.0283608	0.00051094	587.5451917	0.003195	1.877058	0.004				
LHDT1	Gas	65	1139.795528			0.001						
LHDT1	Dsl	65	1439.035679	0.00662224	7615.157856	0.005311	40.4436	0.089				
LHDT2	Gas	65	458.2873117			0.001022						
LHDT2	Dsl	65	718.9859183	0.00330867	3804.764083	0.00533	20.27825	0.045				
MCY	Gas	65	1316.037979			0.002195						
MDV	Gas	65	25891.77914			0.000663						
MDV	Dsl	65	732.877644	0.0033726	3878.276982	0.000679	2.631613	0.006				
MH	Gas	65	151.5598152			0.00101						
MH	Dsl	65	35.07567434	0.00016141	185.6151317	0.020787	3.8583	0.008				
MHDT	Dsl	65	516.9634753	0.002379	2735.692053	0.001022	2.797232	0.006				
MHDT	Gas	65	610.4960727			0.002542						
OBUS	Dsl	65	7.730710997	3.5576E-05	40.90974633	0.001022	0.041812	0.000				
OBUS	Gas	65	296.2124272			0.003099						
SBUS	Dsl	65	0	0	0	0.0022	0	0.000				
UBUS	Gas	65	30.70590264			0.001003						
UBUS	Dsl	65	31.09690521	0.0001431	164.5600908	0.134788	0.165047	0.000	10.64	23	245	
Total LM Emissions								0.170				3.6443E-06
Total DPM Emissions								1.527	TOTAL Emissions			3.2765E-05

RIV SR-91

Region Type: County
 Region: Riverside
 Calendar Year: 2045
 Season: Annual

LM HD
 588,819 85,234
 Segment Length
 6.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV SR-91 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	603495.3518	0.99835852	85094.09	0.004249092	361.5726297	0.795				
HHDT	Gas	65	992.2554051			0.00102492			6.53	17	111	3.76189E-05
HHDT Total			604487.6072				Total HD Emissions	0.795				3.76189E-05
LDA	Gas	65	2904962.144			0.000612601						
LDA	Dsl	65	40432.58932	0.00785878	4627.400586	0.000557169	2.578244357	0.006				
LDT1	Gas	65	193669.0801			0.000651602						
LDT1	Dsl	65	107.2821597	2.0852E-05	12.27815327	0.00367529	0.045125778	0.000				
LDT2	Gas	65	1109612.908			0.000617877						
LDT2	Dsl	65	2441.038772	0.00047446	279.370291	0.003194747	0.892517502	0.002				
LHDT1	Gas	65	23046.23807			0.000999681						
LHDT1	Dsl	65	81179.12407	0.01577859	9290.731378	0.005310935	49.34246607	0.109				
LHDT2	Gas	65	9022.063228			0.001022422						
LHDT2	Dsl	65	40978.07508	0.00796481	4689.829957	0.005329699	24.99538081	0.055				
MCY	Gas	65	20904.3844			0.002195013						
MDV	Gas	65	555323.3392			0.000662681						
MDV	Dsl	65	15657.80235	0.00304337	1791.993167	0.000678552	1.215960764	0.003				
MH	Gas	65	2513.067667			0.001009549						
MH	Dsl	65	973.1265612	0.00018914	111.3717052	0.020786562	2.315034831	0.005				
MHDT	Dsl	65	126901.8633	0.0246656	14523.57533	0.001022495	14.85028809	0.033				
MHDT	Gas	65	7409.193806			0.002541873						
OBUS	Dsl	65	4781.432499	0.00092936	547.2220286	0.001022049	0.55928774	0.001				
OBUS	Gas	65	3882.402715			0.003099277						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	553.7270488			0.001002961						
UBUS	Dsl	65	541.2735523	0.00010521	61.94729537	0.134787715	0.0621307	0.000	6.53	17	111	
Total LM Emissions								0.213				1.00772E-05
Total DPM Emissions								1.009	TOTAL Emissions			4.7696E-05

SB I-15 ONT

Region Type: County
 Region: San Bernardino
 Calendar Year: 2045
 Season: Annual

LM 395,054
 HD 83,224
 Segment Length 5.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 ONT Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	200129.5545	0.997902691	83049.45	0.00443437	368.2720281	0.810				
HHDT	Gas	65	420.6157035			0.00102483			5.9	26	153	2.77278E-05
HHDT Total			200550.1702				Total HD Emissions	0.810				2.77278E-05
LDA	Gas	65	1246500.433			0.0006121						
LDA	Dsl	65	17343.69992	0.007551791	2983.365233	0.000547639	1.633807757	0.004				
LDT1	Gas	65	87185.77028			0.00065544						
LDT1	Dsl	65	48.84379664	2.12676E-05	8.40183383	0.003523281	0.029602025	0.000				
LDT2	Gas	65	495944.1253			0.000617766						
LDT2	Dsl	65	1090.207868	0.000474698	187.5313956	0.003191125	0.598436142	0.001				
LHDT1	Gas	65	8901.691224			0.000999365						
LHDT1	Dsl	65	39538.39345	0.017215801	6801.170969	0.005194416	35.3281088	0.078				
LHDT2	Gas	65	3454.678617			0.001021923						
LHDT2	Dsl	65	19878.11386	0.008655325	3419.320794	0.005269477	18.01803159	0.040				
MCY	Gas	65	9472.723827			0.002198055						
MDV	Gas	65	268924.6384			0.000664508						
MDV	Dsl	65	7577.060964	0.003299203	1303.363201	0.000674305	0.878864235	0.002				
MH	Gas	65	799.4989937			0.001005371						
MH	Dsl	65	376.1138498	0.000163767	64.69697862	0.022200292	1.436291801	0.003				
MHDT	Dsl	65	81834.98352	0.035632575	14076.79133	0.00102336	14.40562444	0.032				
MHDT	Gas	65	3138.391106			0.002343175						
OBUS	Dsl	65	2647.006914	0.001152559	455.3231683	0.001022729	0.465672081	0.001				
OBUS	Gas	65	1450.800385			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	264.6002512			0.001009277						
UBUS	Dsl	65	262.2718908	0.000114198	45.11452828	0.149770499	0.045533054	0.000	5.9	26	153	
Total LM Emissions								0.160				5.48424E-06
Total DPM Emissions								0.970	TOTAL Emissions			3.3212E-05

SB I-15 VIC

Region Type: County
 Region: San Bernardino
 Calendar Year: 2045
 Season: Annual

LM 394,964
 Segment Length
 HD 175,993
 4.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 VIC Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	939957.3646	0.995648355	175227.14	0.00443437	777.0220251	1.709				
HHDT	Gas	65	4108.238294			0.00102483			4.53	23	104	8.6135E-05
HHDT Total			944065.6029				Total HD Emissions	1.709				8.6135E-05
LDA	Gas	65	3345467.725			0.0006121						
LDA	Dsl	65	46569.98247	0.007936382	3134.585128	0.000547639	1.7166217	0.004				
LDT1	Gas	65	223198.9989			0.00065544						
LDT1	Dsl	65	124.4510172	2.12087E-05	8.376690025	0.003523281	0.029513436	0.000				
LDT2	Gas	65	1246398.67			0.000617766						
LDT2	Dsl	65	2741.144588	0.000467141	184.5040647	0.003191125	0.58877555	0.001				
LHDT1	Gas	65	40465.47663			0.000999365						
LHDT1	Dsl	65	63822.56206	0.010876539	4295.841297	0.005194416	22.31438519	0.049				
LHDT2	Gas	65	15958.60853			0.001021923						
LHDT2	Dsl	65	31739.67148	0.005409024	2136.369759	0.005269477	11.25755088	0.025				
MCY	Gas	65	53702.03968			0.002198055						
MDV	Gas	65	625131.5956			0.000664508						
MDV	Dsl	65	17603.56869	0.002999972	1184.88094	0.000674305	0.798971062	0.002				
MH	Gas	65	5635.321691			0.001005371						
MH	Dsl	65	1525.7386	0.000260014	102.6961418	0.022200292	2.279884311	0.005				
MHDT	Dsl	65	94731.45069	0.016143982	6376.291783	0.00102336	6.525241624	0.014				
MHDT	Gas	65	30676.32694			0.002343175						
OBUS	Dsl	65	3642.098724	0.000620681	245.1465062	0.001022729	0.250718373	0.001				
OBUS	Gas	65	15609.66688			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	1577.680665			0.001009277						
UBUS	Dsl	65	1588.163257	0.000270652	106.8978914	0.149770499	0.107889578	0.000	4.53	23	104	
Total LM Emissions								0.101				5.08476E-06
Total DPM Emissions								1.810	TOTAL Emissions			9.1220E-05

SB SR-60

Region Type: County
 Region: San Bernardino
 Calendar Year: 2045
 Season: Annual

LM HD
 463,006 120,075
 Segment Length
 8.76 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB SR-60 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	200129.5545	0.997902691	119823.17	0.00443437	531.3402837	1.169				
HHDT	Gas	65	420.6157035			0.00102483			8.76	28	245	2.50198E-05
HHDT Total			200550.1702				Total HD Emission	1.169				2.50198E-05
LDA	Gas	65	1246500.433			0.0006121						
LDA	Dsl	65	17343.69992	0.007551791	3496.524534	0.000547639	1.914833907	0.004				
LDT1	Gas	65	87185.77028			0.00065544						
LDT1	Dsl	65	48.84379664	2.12676E-05	9.847006927	0.003523281	0.034693776	0.000				
LDT2	Gas	65	495944.1253			0.000617766						
LDT2	Dsl	65	1090.207868	0.000474698	219.788083	0.003191125	0.701371266	0.002				
LHDT1	Gas	65	8901.691224			0.000999365						
LHDT1	Dsl	65	39538.39345	0.017215801	7971.019064	0.005194416	41.40478604	0.091				
LHDT2	Gas	65	3454.678617			0.001021923						
LHDT2	Dsl	65	19878.11386	0.008655325	4007.467444	0.005269477	21.11725671	0.046				
MCY	Gas	65	9472.723827			0.002198055						
MDV	Gas	65	268924.6384			0.000664508						
MDV	Dsl	65	7577.060964	0.003299203	1527.550619	0.000674305	1.030034917	0.002				
MH	Gas	65	799.4989937			0.001005371						
MH	Dsl	65	376.1138498	0.000163767	75.82530309	0.022200292	1.683343851	0.004				
MHDT	Dsl	65	81834.98352	0.035632575	16498.09608	0.00102336	16.88349073	0.037				
MHDT	Gas	65	3138.391106			0.002343175						
OBUS	Dsl	65	2647.006914	0.001152559	533.641879	0.001022729	0.545770876	0.001				
OBUS	Gas	65	1450.800385			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	264.6002512			0.001009277						
UBUS	Dsl	65	262.2718908	0.000114198	52.87453685	0.149770499	0.053365052	0.000	8.76	28	245	
Total LM Emissions								0.188				4.01985E-06
Total DPM Emissions								1.357	TOTAL Emissions			2.9040E-05

VEN US-101 SB

Region Type: County
 Region: Ventura
 Calendar Year: 2045
 Season: Annual

LM HD
 285,247 56,206
 Segment Length
 3.37 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 SB Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	70034.90839	0.993256128	55826.95	0.004309139	240.5660859	0.529				
HHDT	Gas	65	475.5132292			0.001025323			3.37	34	115	2.42492E-05
HHDT Total			70510.42162				Total HD Emission	0.529				2.42492E-05
LDA	Gas	65	997729.0145			0.000613515						
LDA	Dsl	65	13887.76055	0.007860461	2242.172959	0.000564513	1.265736645	0.003				
LDT1	Gas	65	73374.10961			0.000646402						
LDT1	Dsl	65	40.86191799	2.31278E-05	6.597139056	0.003672462	0.02422774	0.000				
LDT2	Gas	65	362178.7202			0.000603877						
LDT2	Dsl	65	797.3479665	0.000451298	128.7314857	0.003103117	0.399468856	0.001				
LHDT1	Gas	65	8575.401186			0.001000033						
LHDT1	Dsl	65	35784.9118	0.020254231	5777.458594	0.005309288	30.67419367	0.067				
LHDT2	Gas	65	3809.008255			0.001021503						
LHDT2	Dsl	65	17871.35862	0.010115174	2885.323151	0.005326302	15.36810385	0.034				
MCY	Gas	65	6967.471097			0.002194021						
MDV	Gas	65	177765.6253			0.000643782						
MDV	Dsl	65	5047.56836	0.00285692	814.9277373	0.000627726	0.511551438	0.001				
MH	Gas	65	1073.513606			0.000997337						
MH	Dsl	65	423.5448782	0.000239726	68.38113812	0.029177471	1.995188641	0.004				
MHDT	Dsl	65	54488.02204	0.030840176	8797.067685	0.001023363	9.002592814	0.020				
MHDT	Gas	65	3548.425005			0.002346996						
OBUS	Dsl	65	1327.10641	0.000751141	214.2607581	0.001022489	0.219079197	0.000				
OBUS	Gas	65	1619.295978			0.002952713						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	238.5062521			0.001013263						
UBUS	Dsl	65	239.4277363	0.000135516	38.65550487	0.090379155	0.039168209	0.000	3.37	34	115	
Total LM Emissions								0.131				5.99757E-06
Total DPM Emissions								0.660	TOTAL Emissions			3.0247E-05

VEN US-101 TO

Region Type: County
 Region: Ventura
 Calendar Year: 2016
 Season: Annual

LM 197,972 HD 20,857
 Segment Length 1.73 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 TO Diesel VMT	PM_10RUNEX	DPM Emisisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	70034.90839	0.993256128	20716.34	0.004309139	89.26959494	0.196				
HHDT	Gas	65	475.5132292			0.001025323			1.73	24	42	2.48324E-05
HHDT Total			70510.42162				Total HD Emissions	0.196				2.48324E-05
LDA	Gas	65	997729.0145			0.000613515						
LDA	Dsl	65	13887.76055	0.007860461	1556.151213	0.000564513	0.878468188	0.002				
LDT1	Gas	65	73374.10961			0.000646402						
LDT1	Dsl	65	40.86191799	2.31278E-05	4.578659243	0.003672462	0.016814951	0.000				
LDT2	Gas	65	362178.7202			0.000603877						
LDT2	Dsl	65	797.3479665	0.000451298	89.34442671	0.003103117	0.277246205	0.001				
LHDT1	Gas	65	8575.401186			0.001000033						
LHDT1	Dsl	65	35784.9118	0.020254231	4009.770595	0.005309288	21.28902835	0.047				
LHDT2	Gas	65	3809.008255			0.001021503						
LHDT2	Dsl	65	17871.35862	0.010115174	2002.521305	0.005326302	10.66603419	0.023				
MCY	Gas	65	6967.471097			0.002194021						
MDV	Gas	65	177765.6253			0.000643782						
MDV	Dsl	65	5047.56836	0.00285692	565.5900816	0.000627726	0.355035675	0.001				
MH	Gas	65	1073.513606			0.000997337						
MH	Dsl	65	423.5448782	0.000239726	47.45904664	0.029177471	1.384734933	0.003				
MHDT	Dsl	65	54488.02204	0.030840176	6105.491324	0.001023363	6.248133388	0.014				
MHDT	Gas	65	3548.425005			0.002346996						
OBUS	Dsl	65	1327.10641	0.000751141	148.7049147	0.001022489	0.15204909	0.000				
OBUS	Gas	65	1619.295978			0.002952713						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	238.5062521			0.001013263						
UBUS	Dsl	65	239.4277363	0.000135516	26.82835441	0.090379155	0.02718419	0.000	1.73	24	42	
Total LM Emissions								0.091				1.14871E-05
Total DPM Emissions								0.287	TOTAL Emissions			3.6319E-05

IMP I-8
 Region Type: County
 Region: Imperial
 Calendar Year: 2045
 Season: Annual

LM HD
 66,464 25,528
 Segment Length
 3.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP I-8 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	467877.9752	0.997337503	25460.03	0.004314442	109.8458308	0.242				
HHDT	Gas	65	1249.049462	0.002662497		0.001021521			3.01	35	105	1.20426E-05
HHDT Total			469127.0246				Total HD Emissions	0.242				1.20426E-05
LDA	Gas	65	686767.7192			0.000609809						
LDA	Dsl	65	9567.830576	0.007581909	503.9239778	0.000543682	0.273974214	0.001				
LDT1	Gas	65	42942.47491			0.000644397						
LDT1	Dsl	65	24.07088072	1.90747E-05	1.267778925	0.003737102	0.00473782	0.000				
LDT2	Gas	65	243651.7037			0.00061275						
LDT2	Dsl	65	535.8929266	0.000424662	28.22471543	0.003161459	0.089231271	0.000				
LHDT1	Gas	65	9714.948108			0.001001585						
LHDT1	Dsl	65	23708.87896	0.018787807	1248.712809	0.005516684	6.888753963	0.015				
LHDT2	Gas	65	3824.71362			0.001022476						
LHDT2	Dsl	65	11786.67135	0.009340202	620.7871537	0.005277536	3.276226763	0.007				
MCY	Gas	65	8004.239877			0.002201437						
MDV	Gas	65	137013.6997			0.000671022						
MDV	Dsl	65	3823.978024	0.003030264	201.4034636	0.000697516	0.140482149	0.000				
MH	Gas	65	1274.502975			0.001016116						
MH	Dsl	65	400.8689421	0.000317664	21.11319491	0.016149733	0.340972464	0.001				
MHDT	Dsl	65	54313.77906	0.043040281	2860.629207	0.001018837	2.914514355	0.006				
MHDT	Gas	65	9463.411087			0.002461454						
OBUS	Dsl	65	11101.80773	0.00879749	584.7163648	0.001022508	0.597877252	0.001				
OBUS	Gas	65	3284.94502			0.002768269						
SBUS	Dsl	65	0	0	0	0.002199722						
UBUS	Gas	65	363.5124097			0.001012229						
UBUS	Dsl	65	359.3736322	0.000284781	18.92769618	0.00619609	0.1172777	0.000	3.01	35	105	
Total LM Emissions								0.032				1.60546E-06
Total DPM Emissions								0.274	TOTAL Emissions			1.3648E-05

IMP SR-78

Region Type: County
 Region: Imperial
 Calendar Year: 2045
 Season: Annual

LM HD
 30,074 4,865
 Segment Length
 0.87 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP SR-78 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	467877.9752	0.997337503	4852.05	0.004314442	20.93387523	0.046				
HHDT	Gas	65	1249.049462			0.001021521			3.01	54	54	4.47742E-06
HHDT Total			469127.0246				Total HD Emissions	0.046				4.47742E-06
LDA	Gas	65	686767.7192			0.000609809						
LDA	Dsl	65	9567.830576	0.007581909	228.0183213	0.000543682	0.123969374	0.000				
LDT1	Gas	65	42942.47491			0.000644397						
LDT1	Dsl	65	24.07088072	1.90747E-05	0.573651652	0.003737102	0.002143795	0.000				
LDT2	Gas	65	243651.7037			0.00061275						
LDT2	Dsl	65	535.8929266	0.000424662	12.77127605	0.003161459	0.040375861	0.000				
LHDT1	Gas	65	9714.948108			0.001001585						
LHDT1	Dsl	65	23708.87896	0.018787807	565.0245098	0.005516684	3.117061668	0.007				
LHDT2	Gas	65	3824.71362			0.001022476						
LHDT2	Dsl	65	11786.67135	0.009340202	280.8972205	0.005277536	1.482445289	0.003				
MCY	Gas	65	8004.239877			0.002201437						
MDV	Gas	65	137013.6997			0.000671022						
MDV	Dsl	65	3823.978024	0.003030264	91.13215821	0.000697516	0.063566143	0.000				
MH	Gas	65	1274.502975			0.001016116						
MH	Dsl	65	400.8689421	0.000317664	9.553415742	0.016149733	0.154285115	0.000				
MHDT	Dsl	65	54313.77906	0.043040281	1294.393397	0.001018837	1.318775649	0.003				
MHDT	Gas	65	9463.411087			0.002461454						
OBUS	Dsl	65	11101.80773	0.00879749	264.5757095	0.001022508	0.270530821	0.001				
OBUS	Gas	65	3284.94502			0.002768269						
SBUS	Dsl	65	0	0	0	0.002199722						
UBUS	Gas	65	363.5124097			0.001012229						
UBUS	Dsl	65	359.3736322	0.000284781	8.564509132	0.00619609	0.053066465	0.000	3.01	54	54	
Total LM Emissions								0.015				1.41724E-06
Total DPM Emissions								0.061	TOTAL Emissions			5.8947E-06

*modeled for entire segment length in AERSCREEN

LA I-110

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 314,138 52,409
 Segment Length
 4.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-110 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	52105.79	0.004489986	233.9542458	0.515				
HHDT	Gas	65	4682.727405			0.001025111			4.01	29	116	2.3236E-05
HHDT Total			809394.7281				Total HD Emissions	0.515				2.3236E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	1998.06802	0.000557467	1.113857863	0.002				
LDT1	Gas	65	351918.8238			0.000677843						
LDT1	Dsl	65	198.1512765	2.55082E-05	8.013096275	0.00425494	0.034095245	0.000				
LDT2	Gas	65	1685801.242			0.000617054						
LDT2	Dsl	65	3707.938726	0.000477327	149.9463971	0.003216718	0.482335257	0.001				
LHDT1	Gas	65	77238.95924			0.001006258						
LHDT1	Dsl	65	336226.8654	0.043282808	13596.7746	0.004688288	63.74559425	0.140				
LHDT2	Gas	65	34788.99327			0.001022679						
LHDT2	Dsl	65	170424.5569	0.021938917	6891.847514	0.005337568	36.7857034	0.081				
MCY	Gas	65	42645.5219			0.002202991						
MDV	Gas	65	909824.0021			0.000668995						
MDV	Dsl	65	25783.8167	0.003319176	1042.679155	0.000687321	0.716655058	0.002				
MH	Gas	65	8910.37144			0.001012904						
MH	Dsl	65	3547.17192	0.000456631	143.4451022	0.015106615	2.166969909	0.005				
MHDT	Dsl	65	416990.184	0.053679547	16862.78559	0.001022603	17.24393827	0.038				
MHDT	Gas	65	34913.98133			0.002338275						
OBUS	Dsl	65	41629.96737	0.005359066	1683.486185	0.001021766	1.720128941	0.004				
OBUS	Gas	65	14765.97186			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0.001006684						
UBUS	Dsl	65	2478.47174	0.000319056	100.2276292	0.148869079	0.100897535	0.000	4.01	29	116	
Total LM Emissions								0.273				1.23264E-05
Total DPM Emissions								0.788	TOTAL Emissions			3.5562E-05

LA I-710

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 332,977 74,913
 Segment Length
 2.1 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	74479.59	0.004489986	334.4123036	0.736				
HHDT	Gas	65	4682.727405			0.001025111			2.1	23	48	7.99664E-05
HHDT Total			809394.7281				Total HD Emissions	0.736				7.99664E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	2117.893076	0.000557467	1.18065643	0.003				
LDT1	Gas	65	351918.8238			0.000677843						
LDT1	Dsl	65	198.1512765	2.55082E-05	8.493645335	0.00425494	0.036139953	0.000				
LDT2	Gas	65	1685801.242			0.000617054						
LDT2	Dsl	65	3707.938726	0.000477327	158.9387514	0.003216718	0.511261123	0.001				
LHDT1	Gas	65	77238.95924			0.001006258						
LHDT1	Dsl	65	336226.8654	0.043282808	14412.17941	0.004688288	67.56844679	0.149				
LHDT2	Gas	65	34788.99327			0.001022679						
LHDT2	Dsl	65	170424.5569	0.021938917	7305.154772	0.005337568	38.99175891	0.086				
MCY	Gas	65	42645.5219			0.002202991						
MDV	Gas	65	909824.0021			0.000668995						
MDV	Dsl	65	25783.8167	0.003319176	1105.209103	0.000687321	0.75963319	0.002				
MH	Gas	65	8910.37144			0.001012904						
MH	Dsl	65	3547.17192	0.000456631	152.0475708	0.015106615	2.296924089	0.005				
MHDT	Dsl	65	416990.184	0.053679547	17874.05458	0.001022603	18.27806516	0.040				
MHDT	Gas	65	34913.98133			0.002338275						
OBUS	Dsl	65	41629.96737	0.005359066	1784.445624	0.001021766	1.823285863	0.004				
OBUS	Gas	65	14765.97186			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0.001006684						
UBUS	Dsl	65	2478.47174	0.000319056	106.2383261	0.148869079	0.106948406	0.000	2.1	23	48	
Total LM Emissions								0.289				3.14577E-05
Total DPM Emissions								1.025	TOTAL Emissions			1.1142E-04

LA SR-60 DB

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 706,617 104,961
 Segment Length
 7.2 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	104353.75	0.004489986	468.5468449	1.031				
HHDT	Gas	65	4682.727405			0.001025111			7.2	29	209	2.59176E-05
HHDT Total			809394.7281				Total HD Emissions	1.031				2.59176E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	4494.422292	0.000557467	2.505494088	0.006				
LDT1	Gas	65	351918.8238			0	0.000677843					
LDT1	Dsl	65	198.1512765	2.55082E-05	18.02453078	0.00425494	0.0766933	0.000				
LDT2	Gas	65	1685801.242			0	0.000617054					
LDT2	Dsl	65	3707.938726	0.000477327	337.2870308	0.003216718	1.084957223	0.002				
LHDT1	Gas	65	77238.95924			0	0.001006258					
LHDT1	Dsl	65	336226.8654	0.043282808	30584.36762	0.004688288	143.3883216	0.315				
LHDT2	Gas	65	34788.99327			0	0.001022679					
LHDT2	Dsl	65	170424.5569	0.021938917	15502.41173	0.005337568	82.74517371	0.182				
MCY	Gas	65	42645.5219			0	0.002202991					
MDV	Gas	65	909824.0021			0	0.000668995					
MDV	Dsl	65	25783.8167	0.003319176	2345.385839	0.000687321	1.612032441	0.004				
MH	Gas	65	8910.37144			0	0.001012904					
MH	Dsl	65	3547.17192	0.000456631	322.6631219	0.015106615	4.874347505	0.011				
MHDT	Dsl	65	416990.184	0.053679547	37930.8806	0.001022603	38.78823933	0.085				
MHDT	Gas	65	34913.98133			0	0.002338275					
OBUS	Dsl	65	41629.96737	0.005359066	3786.806937	0.001021766	3.869230568	0.009				
OBUS	Gas	65	14765.97186			0	0.003045399					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0	0.001006684					
UBUS	Dsl	65	2478.47174	0.000319056	225.4504284	0.148869079	0.226957303	0.000	7.2	29	209	
Total LM Emissions								0.614				1.54423E-05
Total DPM Emissions								1.645	TOTAL Emissions			4.1360E-05

LA SR-60 SEM

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 341,018 35,132
 Segment Length
 8.31 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emissions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	34928.74	0.004489986	156.8295629	0.345				
HHDT	Gas	65	4682.727405			0.001025111			8.31	26	216	8.38351E-06
HHDT Total			809394.7281				Total HD Emissions	0.345				8.38351E-06
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	2169.037684	0.000557467	1.209167884	0.003				
LDT1	Gas	65	351918.8238			0	0.000677843					
LDT1	Dsl	65	198.1512765	2.55082E-05	8.698756806	0.00425494	0.03701269	0.000				
LDT2	Gas	65	1685801.242			0	0.000617054					
LDT2	Dsl	65	3707.938726	0.000477327	162.7769339	0.003216718	0.523607474	0.001				
LHDT1	Gas	65	77238.95924			0	0.001006258					
LHDT1	Dsl	65	336226.8654	0.043282808	14760.21647	0.004688288	69.20014471	0.152				
LHDT2	Gas	65	34788.99327			0	0.001022679					
LHDT2	Dsl	65	170424.5569	0.021938917	7481.565604	0.005337568	39.93336368	0.088				
MCY	Gas	65	42645.5219			0	0.002202991					
MDV	Gas	65	909824.0021			0	0.000668995					
MDV	Dsl	65	25783.8167	0.003319176	1131.898593	0.000687321	0.777977432	0.002				
MH	Gas	65	8910.37144			0	0.001012904					
MH	Dsl	65	3547.17192	0.000456631	155.7193395	0.015106615	2.352392084	0.005				
MHDT	Dsl	65	416990.184	0.053679547	18305.69182	0.001022603	18.71945877	0.041				
MHDT	Gas	65	34913.98133			0	0.002338275					
OBUS	Dsl	65	41629.96737	0.005359066	1827.537871	0.001021766	1.867316056	0.004				
OBUS	Gas	65	14765.97186			0	0.003045399					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0	0.001006684					
UBUS	Dsl	65	2478.47174	0.000319056	108.8038558	0.148869079	0.109531083	0.000	8.31	26	216	
Total LM Emissions								0.296				7.20215E-06
Total DPM Emissions								0.641	TOTAL Emissions			1.5586E-05

ORA I-5
 Region Type: County
 Region: Orange
 Calendar Year: 2045
 Season: Annual

LM HD
 353,277 38,511
 Segment Length
 7.11 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-5 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	153993.0915	0.993334547	38254.31	0.004390344	167.9495663	0.369				
HHDT	Gas	65	1033.321324			0.001025276			7.11	14	100	1.94874E-05
HHDT Total			155026.4129				Total HD Emissior	0.369				1.94874E-05
LDA	Gas	65	2247129.503			0.000606964						
LDA	Dsl	65	31292.79203	0.007321937	2586.67179	0.00053549	1.385138138	0.003				
LDT1	Gas	65	200126.7569			0.000650632						
LDT1	Dsl	65	110.6700333	2.58947E-05	9.148018904	0.003325643	0.030423048	0.000				
LDT2	Gas	65	983956.1484			0.000605762						
LDT2	Dsl	65	2165.695016	0.000506733	179.0170144	0.003119863	0.558508639	0.001				
LHDT1	Gas	65	17717.03289			0.001003301						
LHDT1	Dsl	65	70955.24518	0.01660222	5865.182336	0.004895683	28.71407517	0.063				
LHDT2	Gas	65	7951.384008			0.001022359						
LHDT2	Dsl	65	35749.3252	0.008364683	2955.050189	0.005344754	15.79401768	0.035				
MCY	Gas	65	23932.03555			0.002200421						
MDV	Gas	65	471900.4302			0.000654405						
MDV	Dsl	65	13390.6476	0.003133165	1106.875039	0.000658269	0.728621249	0.002				
MH	Gas	65	2253.590748			0.001010546						
MH	Dsl	65	864.9048123	0.000202372	71.49329714	0.020018122	1.431161525	0.003				
MHDT	Dsl	65	145509.7453	0.034046599	12027.88019	0.00102122	12.28310708	0.027				
MHDT	Gas	65	7722.828122			0.002341319						
OBUS	Dsl	65	6168.256899	0.001443258	509.8700077	0.001022419	0.521300565	0.001				
OBUS	Gas	65	3827.041697			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	556.9458034			0.000998951						
UBUS	Dsl	65	559.8969161	0.000131006	46.28125086	0.150386559	0.046232717	0.000	7.11	14	100	
Total LM Emissions								0.135				7.13506E-06
Total DPM Emissions								0.505	TOTAL Emissions			2.6622E-05

ORA I-4055

Region Type: County
 Region: Orange
 Calendar Year: 2045
 Season: Annual

LM 419,150 HD 63,346
 Segment Length 4.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-405 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	153993.0915	0.993334547	62923.77	0.004390344	276.2569974	0.608				
HHDT	Gas	65	1033.321324			0.001025276			4.9	21	103	3.10078E-05
HHDT Total			155026.4129				Total HD Emissions	0.608				3.10078E-05
LDA	Gas	65	2247129.503			0.000606964						
LDA	Dsl	65	31292.79203	0.007321937	3068.989719	0.00053549	1.643414801	0.004				
LDT1	Gas	65	200126.7569			0.000650632						
LDT1	Dsl	65	110.6700333	2.58947E-05	10.85378364	0.003325643	0.036095813	0.000				
LDT2	Gas	65	983956.1484			0.000605762						
LDT2	Dsl	65	2165.695016	0.000506733	212.3970188	0.003119863	0.662649694	0.001				
LHDT1	Gas	65	17717.03289			0.001003301						
LHDT1	Dsl	65	70955.24518	0.01660222	6958.820348	0.004895683	34.06818052	0.075				
LHDT2	Gas	65	7951.384008			0.001022359						
LHDT2	Dsl	65	35749.3252	0.008364683	3506.056966	0.005344754	18.7390136	0.041				
MCY	Gas	65	23932.03555			0.002200421						
MDV	Gas	65	471900.4302			0.000654405						
MDV	Dsl	65	13390.6476	0.003133165	1313.265999	0.000658269	0.864481968	0.002				
MH	Gas	65	2253.590748			0.001010546						
MH	Dsl	65	864.9048123	0.000202372	84.82413374	0.020018122	1.698019835	0.004				
MHDT	Dsl	65	145509.7453	0.034046599	14270.63178	0.00102122	14.57344898	0.032				
MHDT	Gas	65	7722.828122			0.002341319						
OBUS	Dsl	65	6168.256899	0.001443258	604.9417701	0.001022419	0.618503701	0.001				
OBUS	Gas	65	3827.041697			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	556.9458034			0.000998951						
UBUS	Dsl	65	559.8969161	0.000131006	54.91098005	0.150386559	0.054853397	0.000	4.9	21	103	
Total LM Emissions								0.161				8.18906E-06
Total DPM Emissions								0.768	TOTAL Emissions			3.9197E-05

RIV I-10

Region Type: County
 Region: Riverside
 Calendar Year: 2045
 Season: Annual

LM HD
 687,605 245,295
 Segment Length
 9.97 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV I-10 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	57425.03667	0.99857921	244946.49	0.004249092	1040.800195	2.290				
HHDT	Gas	65	81.70511388			0.00102492			9.97	34	339	3.54622E-05
HHDT Total			57506.74178				Total HD Emissions	2.290				3.54622E-05
LDA	Gas	65	122364.2875			0.000612601						
LDA	Dsl	65	1703.699775	0.00784019	5390.955793	0.000557169	3.003673681	0.007				
LDT1	Gas	65	9258.935654			0.000651602						
LDT1	Dsl	65	5.167844437	2.3782E-05	16.35242389	0.00367529	0.060099905	0.000				
LDT2	Gas	65	50483.50114			0.000617877						
LDT2	Dsl	65	111.0283608	0.00051094	351.3230402	0.003194747	1.122388357	0.002				
LHDT1	Gas	65	1139.795528			0.000999681						
LHDT1	Dsl	65	1439.035679	0.00662224	4553.488731	0.005310935	24.18328052	0.053				
LHDT2	Gas	65	458.2873117			0.001022422						
LHDT2	Dsl	65	718.9859183	0.00330867	2275.061227	0.005329699	12.12539096	0.027				
MCY	Gas	65	1316.037979			0.002195013						
MDV	Gas	65	25891.77914			0.000662681						
MDV	Dsl	65	732.877644	0.0033726	2319.018314	0.000678552	1.573574795	0.003				
MH	Gas	65	151.5598152			0.001009549						
MH	Dsl	65	35.07567434	0.00016141	110.9886921	0.020786562	2.307073305	0.005				
MHDT	Dsl	65	516.9634753	0.002379	1635.808892	0.001022495	1.672606969	0.004				
MHDT	Gas	65	610.4960727			0.002541873						
OBUS	Dsl	65	7.730710997	3.5576E-05	24.46201017	0.001022049	0.025001374	0.000				
OBUS	Gas	65	296.2124272			0.003099277						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	30.70590264			0.001002961						
UBUS	Dsl	65	31.09690521	0.0001431	98.39881634	0.134787715	0.098690141	0.000	9.97	34	339	
Total LM Emissions								0.102				1.57317E-06
Total DPM Emissions								2.391	TOTAL Emissions			3.7035E-05

RIV I-15

Region Type: County
 Region: Riverside
 Calendar Year: 2045
 Season: Annual

LM HD
 1,151,043 145,648
 Segment Length
 10.64 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV I-15 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	57425.03667	0.99857921	145441.06	0.004249092	617.9924857	1.360				
HHDT	Gas	65	81.70511388			0.00102492			10.64	23	245	2.91666E-05
HHDT Total			57506.74178				Total HD Emissions	1.360				2.91666E-05
LDA	Gas	65	122364.2875			0.000612601						
LDA	Dsl	65	1703.699775	0.00784019	9024.39908	0.000557169	5.028115801	0.011				
LDT1	Gas	65	9258.935654			0.000651602						
LDT1	Dsl	65	5.167844437	2.3782E-05	27.37377281	0.00367529	0.100606562	0.000				
LDT2	Gas	65	50483.50114			0.000617877						
LDT2	Dsl	65	111.0283608	0.00051094	588.1107993	0.003194747	1.878865427	0.004				
LHDT1	Gas	65	1139.795528			0.000999681						
LHDT1	Dsl	65	1439.035679	0.00662224	7622.488681	0.005310935	40.48253832	0.089				
LHDT2	Gas	65	458.2873117			0.001022422						
LHDT2	Dsl	65	718.9859183	0.00330867	3808.426786	0.005329699	20.29776744	0.045				
MCY	Gas	65	1316.037979			0.002195013						
MDV	Gas	65	25891.77914			0.000662681						
MDV	Dsl	65	732.877644	0.0033726	3882.010453	0.000678552	2.634146426	0.006				
MH	Gas	65	151.5598152			0.001009549						
MH	Dsl	65	35.07567434	0.00016141	185.7938164	0.020786562	3.862014642	0.008				
MHDT	Dsl	65	516.9634753	0.002379	2738.325601	0.001022495	2.799925165	0.006				
MHDT	Gas	65	610.4960727			0.002541873						
OBUS	Dsl	65	7.730710997	3.5576E-05	40.9491286	0.001022049	0.041852017	0.000				
OBUS	Gas	65	296.2124272			0.003099277						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	30.70590264			0.001002961						
UBUS	Dsl	65	31.09690521	0.0001431	164.7185066	0.134787715	0.165206181	0.000	10.64	23	245	
Total LM Emissions								0.170				3.64781E-06
Total DPM Emissions								1.530	TOTAL Emissions			3.2814E-05

RIV SR-91

Region Type: County
 Region: Riverside
 Calendar Year: 2045
 Season: Annual

LM HD
 593,284 84,687
 Segment Length
 6.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV SR-91 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	603495.3518	0.99835852	84547.99	0.004249092	359.2521916	0.790				
HHDT	Gas	65	992.2554051			0.00102492			6.53	17	111	3.73775E-05
HHDT Total			604487.6072				Total HD Emission:	0.790				3.73775E-05
LDA	Gas	65	2904962.144			0.000612601						
LDA	Dsl	65	40432.58932	0.00785878	4662.490051	0.000557169	2.597795121	0.006				
LDT1	Gas	65	193669.0801			0	0.000651602					
LDT1	Dsl	65	107.2821597	2.0852E-05	12.3712582	0.00367529	0.045467965	0.000				
LDT2	Gas	65	1109612.908			0	0.000617877					
LDT2	Dsl	65	2441.038772	0.00047446	281.4887491	0.003194747	0.89928544	0.002				
LHDT1	Gas	65	23046.23807			0	0.000999681					
LHDT1	Dsl	65	81179.12407	0.01577859	9361.182766	0.005310935	49.71662877	0.109				
LHDT2	Gas	65	9022.063228			0	0.001022422					
LHDT2	Dsl	65	40978.07508	0.00796481	4725.392822	0.005329699	25.18492017	0.055				
MCY	Gas	65	20904.3844			0	0.002195013					
MDV	Gas	65	555323.3392			0	0.000662681					
MDV	Dsl	65	15657.80235	0.00304337	1805.581807	0.000678552	1.225181364	0.003				
MH	Gas	65	2513.067667			0	0.001009549					
MH	Dsl	65	973.1265612	0.00018914	112.2162341	0.020786562	2.332589683	0.005				
MHDT	Dsl	65	126901.8633	0.0246656	14633.70724	0.001022495	14.96289746	0.033				
MHDT	Gas	65	7409.193806			0	0.002541873					
OBUS	Dsl	65	4781.432499	0.00092936	551.3715998	0.001022049	0.563528805	0.001				
OBUS	Gas	65	3882.402715			0	0.003099277					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	553.7270488			0	0.001002961					
UBUS	Dsl	65	541.2735523	0.00010521	62.41704019	0.134787715	0.062601835	0.000	6.53	17	111	
Total LM Emissions								0.215				1.01536E-05
Total DPM Emissions								1.005	TOTAL Emissions			4.7531E-05

SB I-15 ONT

Region Type: County
 Region: San Bernardino
 Calendar Year: 2045
 Season: Annual

LM 382,863 HD 84,436
 Segment Length 5.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 ONT Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	200129.5545	0.997902691	84258.91	0.00443437	373.635213	0.822				
HHDT	Gas	65	420.6157035			0.00102483			5.9	26	153	2.81316E-05
HHDT Total			200550.1702				Total HD Emisso	0.822				2.81316E-05
LDA	Gas	65	1246500.433			0.0006121						
LDA	Dsl	65	17343.69992	0.007551791	2891.301349	0.000547639	1.583389965	0.003				
LDT1	Gas	65	87185.77028			0.00065544						
LDT1	Dsl	65	48.84379664	2.12676E-05	8.142561031	0.003523281	0.028688534	0.000				
LDT2	Gas	65	495944.1253			0.000617766						
LDT2	Dsl	65	1090.207868	0.000474698	181.7443506	0.003191125	0.579968958	0.001				
LHDT1	Gas	65	8901.691224			0.000999365						
LHDT1	Dsl	65	39538.39345	0.017215801	6591.293141	0.005194416	34.23791613	0.075				
LHDT2	Gas	65	3454.678617			0.001021923						
LHDT2	Dsl	65	19878.11386	0.008655325	3313.803726	0.005269477	17.46201185	0.038				
MCY	Gas	65	9472.723827			0.002198055						
MDV	Gas	65	268924.6384			0.000664508						
MDV	Dsl	65	7577.060964	0.003299203	1263.142622	0.000674305	0.8517433	0.002				
MH	Gas	65	799.4989937			0.001005371						
MH	Dsl	65	376.1138498	0.000163767	62.70048988	0.022200292	1.391969169	0.003				
MHDT	Dsl	65	81834.98352	0.035632575	13642.39461	0.00102336	13.96108023	0.031				
MHDT	Gas	65	3138.391106			0.002343175						
OBUS	Dsl	65	2647.006914	0.001152559	441.2723177	0.001022729	0.451301873	0.001				
OBUS	Gas	65	1450.800385			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	264.6002512			0.001009277						
UBUS	Dsl	65	262.2718908	0.000114198	43.72233579	0.149770499	0.044127946	0.000	5.9	26	153	
Total LM Emissions								0.155				5.31501E-06
Total DPM Emissions								0.977	TOTAL Emissions			3.3447E-05

SB I-15 VIC

Region Type: County
 Region: San Bernardino
 Calendar Year: 2045
 Season: Annual

LM HD
 397,673 174,536
 Segment Length
 4.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 VIC Diesel VMT	PM_10RU NEX	DPM Emissions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	939957.3646	0.995648355	173776.48	0.004434	770.589263	1.695				
HHDT	Gas	65	4108.238294			0.001025			4.53	23	104	8.5422E-05
HHDT Total			944065.6029				Total HD Emissions	1.695				8.5422E-05
LDA	Gas	65	3345467.725			0.000612						
LDA	Dsl	65	46569.98247	0.007936382	3156.084787	0.000548	1.728395756	0.004				
LDT1	Gas	65	223198.9989			0.000655						
LDT1	Dsl	65	124.4510172	2.12087E-05	8.43414451	0.003523	0.029715865	0.000				
LDT2	Gas	65	1246398.67			0.000618						
LDT2	Dsl	65	2741.144588	0.000467141	185.769551	0.003191	0.592813875	0.001				
LHDT1	Gas	65	40465.47663			0.000999						
LHDT1	Dsl	65	63822.56206	0.010876539	4325.305841	0.005194	22.46743628	0.049				
LHDT2	Gas	65	15958.60853			0.001022						
LHDT2	Dsl	65	31739.67148	0.005409024	2151.022805	0.005269	11.33476476	0.025				
MCY	Gas	65	53702.03968			0.002198						
MDV	Gas	65	625131.5956			0.000665						
MDV	Dsl	65	17603.56869	0.002999972	1193.007865	0.000674	0.804451087	0.002				
MH	Gas	65	5635.321691			0.001005						
MH	Dsl	65	1525.7386	0.000260014	103.4005196	0.0222	2.295521702	0.005				
MHDT	Dsl	65	94731.45069	0.016143982	6420.02583	0.001023	6.569997296	0.014				
MHDT	Gas	65	30676.32694			0.002343						
OBUS	Dsl	65	3642.098724	0.000620681	246.8279301	0.001023	0.252438013	0.001				
OBUS	Gas	65	15609.66688			0.003045						
SBUS	Dsl	65	0	0	0	0.0022	0	0.000				
UBUS	Gas	65	1577.680665			0.001009						
UBUS	Dsl	65	1588.163257	0.000270652	107.6310883	0.14977	0.108629577	0.000	4.53	23	104	
Total LM Emissions								0.102				5.1196E-06
Total DPM Emissions								1.797	TOTAL Emissions			9.0542E-05

SB SR-60

Region Type: County
 Region: San Bernardino
 Calendar Year: 2045
 Season: Annual

LM 473,710
 HD 117,114
 Segment Length 8.76 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB SR-60 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	200129.5545	0.997902691	116868.38	0.00443437	518.2376514	1.140				
HHDT	Gas	65	420.6157035			0.00102483			8.76	28	245	2.44028E-05
HHDT Total			200550.1702				Total HD Emissions	1.140				2.44028E-05
LDA	Gas	65	1246500.433			0.0006121						
LDA	Dsl	65	17343.69992	0.007551791	3577.358904	0.000547639	1.959101978	0.004				
LDT1	Gas	65	87185.77028			0.00065544						
LDT1	Dsl	65	48.84379664	2.12676E-05	10.07465487	0.003523281	0.035495844	0.000				
LDT2	Gas	65	495944.1253			0.000617766						
LDT2	Dsl	65	1090.207868	0.000474698	224.8692518	0.003191125	0.717585912	0.002				
LHDT1	Gas	65	8901.691224			0.000999365						
LHDT1	Dsl	65	39538.39345	0.017215801	8155.296996	0.005194416	42.36200221	0.093				
LHDT2	Gas	65	3454.678617			0.001021923						
LHDT2	Dsl	65	19878.11386	0.008655325	4100.114043	0.005269477	21.60545582	0.048				
MCY	Gas	65	9472.723827			0.002198055						
MDV	Gas	65	268924.6384			0.000664508						
MDV	Dsl	65	7577.060964	0.003299203	1562.865284	0.000674305	1.053847769	0.002				
MH	Gas	65	799.4989937			0.001005371						
MH	Dsl	65	376.1138498	0.000163767	77.57826967	0.022200292	1.722260221	0.004				
MHDT	Dsl	65	81834.98352	0.035632575	16879.50716	0.00102336	17.27381156	0.038				
MHDT	Gas	65	3138.391106			0.002343175						
OBUS	Dsl	65	2647.006914	0.001152559	545.9788739	0.001022729	0.558388275	0.001				
OBUS	Gas	65	1450.800385			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	264.6002512			0.001009277						
UBUS	Dsl	65	262.2718908	0.000114198	54.09691635	0.149770499	0.054598771	0.000	8.76	28	245	
Total LM Emissions								0.192				4.11279E-06
Total DPM Emissions								1.332	TOTAL Emissions		2.8516E-05	

VEN US-101 SB

Region Type: County
 Region: Ventura
 Calendar Year: 2045
 Season: Annual

LM 284,048
 Segment Length
 HD 56,086
 3.37 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 SB Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	70034.90839	0.993256128	55707.76	0.004309139	240.0524765	0.528				
HHDT	Gas	65	475.5132292			0.001025323			3.37	34	115	2.41975E-05
HHDT Total			70510.42162				Total HD Emission:	0.528				2.41975E-05
LDA	Gas	65	997729.0145			0.000613515						
LDA	Dsl	65	13887.76055	0.007860461	2232.748266	0.000564513	1.26041628	0.003				
LDT1	Gas	65	73374.10961			0.000646402						
LDT1	Dsl	65	40.86191799	2.31278E-05	6.569408809	0.003672462	0.024125902	0.000				
LDT2	Gas	65	362178.7202			0.000603877						
LDT2	Dsl	65	797.3479665	0.000451298	128.190379	0.003103117	0.397789739	0.001				
LHDT1	Gas	65	8575.401186			0.001000033						
LHDT1	Dsl	65	35784.9118	0.020254231	5753.173771	0.005309288	30.54525854	0.067				
LHDT2	Gas	65	3809.008255			0.001021503						
LHDT2	Dsl	65	17871.35862	0.010115174	2873.195057	0.005326302	15.30350595	0.034				
MCY	Gas	65	6967.471097			0.002194021						
MDV	Gas	65	177765.6253			0.000643782						
MDV	Dsl	65	5047.56836	0.00285692	811.5022907	0.000627726	0.509401195	0.001				
MH	Gas	65	1073.513606			0.000997337						
MH	Dsl	65	423.5448782	0.000239726	68.09370658	0.029177471	1.986802115	0.004				
MHDT	Dsl	65	54488.02204	0.030840176	8760.090314	0.001023363	8.964751544	0.020				
MHDT	Gas	65	3548.425005			0.002346996						
OBUS	Dsl	65	1327.10641	0.000751141	213.3601399	0.001022489	0.218158325	0.000				
OBUS	Gas	65	1619.295978			0.002952713						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	238.5062521			0.001013263						
UBUS	Dsl	65	239.4277363	0.000135516	38.4930213	0.090379155	0.03900357	0.000	3.37	34	115	
Total LM Emissions								0.130				5.97236E-06
Total DPM Emissions								0.658	TOTAL Emissions			3.0170E-05

VEN US-101 TO

Region Type: County
 Region: Ventura
 Calendar Year: 2016
 Season: Annual

LM HD
 201,947 20,808
 Segment Length
 1.73 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 TO Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	70034.90839	0.993256128	20667.67	0.004309139	89.0598711	0.196				
HHDT	Gas	65	475.5132292			0.001025323			1.73	24	42	2.47741E-05
			HHDT Total				Total HD Emissions	0.196				2.47741E-05
LDA	Gas	65	997729.0145			0.000613515						
LDA	Dsl	65	13887.76055	0.007860461	1587.396546	0.000564513	0.896106596	0.002				
LDT1	Gas	65	73374.10961			0.000646402						
LDT1	Dsl	65	40.86191799	2.31278E-05	4.670592297	0.003672462	0.017152571	0.000				
LDT2	Gas	65	362178.7202			0.000603877						
LDT2	Dsl	65	797.3479665	0.000451298	91.13833745	0.003103117	0.28281292	0.001				
LHDT1	Gas	65	8575.401186			0.001000033						
LHDT1	Dsl	65	35784.9118	0.020254231	4090.281162	0.005309288	21.71648217	0.048				
LHDT2	Gas	65	3809.008255			0.001021503						
LHDT2	Dsl	65	17871.35862	0.010115174	2042.729124	0.005326302	10.88019319	0.024				
MCY	Gas	65	6967.471097			0.002194021						
MDV	Gas	65	177765.6253			0.000643782						
MDV	Dsl	65	5047.56836	0.00285692	576.9463369	0.000627726	0.362164293	0.001				
MH	Gas	65	1073.513606			0.000997337						
MH	Dsl	65	423.5448782	0.000239726	48.41195771	0.029177471	1.412538468	0.003				
MHDT	Dsl	65	54488.02204	0.030840176	6228.081024	0.001023363	6.373587141	0.014				
MHDT	Gas	65	3548.425005			0.002346996						
OBUS	Dsl	65	1327.10641	0.000751141	151.6907008	0.001022489	0.155102022	0.000				
OBUS	Gas	65	1619.295978			0.002952713						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	238.5062521			0.001013263						
UBUS	Dsl	65	239.4277363	0.000135516	27.36703013	0.090379155	0.027730011	0.000	1.73	24	42	
Total LM Emissions								0.093				1.17177E-05
Total DPM Emissions								0.289				3.6492E-05
TOTAL Emissions												3.6492E-05

IMP I-8
 Region Type: County
 Region: Imperial
 Calendar Year: 2045
 Season: Annual

LM HD
 66,392 25,615
 Segment Length
 3.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP I-8 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	467877.9752	0.997337503	25546.80	0.004314442	110.2201879	0.242				
HHDT	Gas	65	1249.049462	0.002662497		0.001021521			3.01	35	105	1.20837E-05
HHDT Total			469127.0246				Total HD Emissions	0.242				1.20837E-05
LDA	Gas	65	686767.7192			0.000609809						
LDA	Dsl	65	9567.830576	0.007581909	503.3780804	0.000543682	0.273677419	0.001				
LDT1	Gas	65	42942.47491			0.000644397						
LDT1	Dsl	65	24.07088072	1.90747E-05	1.266405549	0.003737102	0.004732687	0.000				
LDT2	Gas	65	243651.7037			0.00061275						
LDT2	Dsl	65	535.8929266	0.000424662	28.19413978	0.003161459	0.089134608	0.000				
LHDT1	Gas	65	9714.948108			0.001001585						
LHDT1	Dsl	65	23708.87896	0.018787807	1247.360087	0.005516684	6.881291423	0.015				
LHDT2	Gas	65	3824.71362			0.001022476						
LHDT2	Dsl	65	11786.67135	0.009340202	620.1146592	0.005277536	3.272677649	0.007				
MCY	Gas	65	8004.239877			0.002201437						
MDV	Gas	65	137013.6997			0.000671022						
MDV	Dsl	65	3823.978024	0.003030264	201.1852846	0.000697516	0.140329965	0.000				
MH	Gas	65	1274.502975			0.001016116						
MH	Dsl	65	400.8689421	0.000317664	21.09032313	0.016149733	0.340603091	0.001				
MHDT	Dsl	65	54313.77906	0.043040281	2857.530306	0.001018837	2.911357081	0.006				
MHDT	Gas	65	9463.411087			0.002461454						
OBUS	Dsl	65	11101.80773	0.00879749	584.0829455	0.001022508	0.597229576	0.001				
OBUS	Gas	65	3284.94502			0.002768269						
SBUS	Dsl	65	0	0	0	0.002199722						
UBUS	Gas	65	363.5124097			0.001012229						
UBUS	Dsl	65	359.3736322	0.000284781	18.90719194	0.00619609	0.117150654	0.000	3.01	35	105	
Total LM Emissions								0.032				1.60372E-06
Total DPM Emissions								0.275	TOTAL Emissions			1.3687E-05

IMP SR-78

Region Type: County
 Region: Imperial
 Calendar Year: 2045
 Season: Annual

LM HD
 30,194 4,833
 Segment Length
 0.87 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	IMP SR-78 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	467877.9752	0.997337503	4820.13	0.004314442	20.79618068	0.046				
HHDT	Gas	65	1249.049462			0.001021521			3.01	54	54	4.44797E-06
HHDT Total			469127.0246				Total HD Emissions	0.046				4.44797E-06
LDA	Gas	65	686767.7192			0.000609809						
LDA	Dsl	65	9567.830576	0.007581909	228.9281504	0.000543682	0.124464032	0.000				
LDT1	Gas	65	42942.47491			0.000644397						
LDT1	Dsl	65	24.07088072	1.90747E-05	0.575940612	0.003737102	0.002152349	0.000				
LDT2	Gas	65	243651.7037			0.00061275						
LDT2	Dsl	65	535.8929266	0.000424662	12.82223546	0.003161459	0.040536968	0.000				
LHDT1	Gas	65	9714.948108			0.001001585						
LHDT1	Dsl	65	23708.87896	0.018787807	567.2790467	0.005516684	3.129499235	0.007				
LHDT2	Gas	65	3824.71362			0.001022476						
LHDT2	Dsl	65	11786.67135	0.009340202	282.0180447	0.005277536	1.488360479	0.003				
MCY	Gas	65	8004.239877			0.002201437						
MDV	Gas	65	137013.6997			0.000671022						
MDV	Dsl	65	3823.978024	0.003030264	91.49578989	0.000697516	0.063819782	0.000				
MH	Gas	65	1274.502975			0.001016116						
MH	Dsl	65	400.8689421	0.000317664	9.591535376	0.016149733	0.154900737	0.000				
MHDT	Dsl	65	54313.77906	0.043040281	1299.558231	0.001018837	1.324037771	0.003				
MHDT	Gas	65	9463.411087			0.002461454						
OBUS	Dsl	65	11101.80773	0.00879749	265.6314083	0.001022508	0.271610282	0.001				
OBUS	Gas	65	3284.94502			0.002768269						
SBUS	Dsl	65	0	0	0	0.002199722						
UBUS	Gas	65	363.5124097			0.001012229						
UBUS	Dsl	65	359.3736322	0.000284781	8.598682873	0.00619609	0.053278209	0.000	3.01	54	54	
Total LM Emissions								0.015				1.4229E-06
Total DPM Emissions								0.060	TOTAL Emissions			5.8709E-06

*modeled for entire segment length in AERSCREEN

LA I-110

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM 310,132 HD 52,493
 Segment Length 4.01 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-110 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	52189.30	0.004489986	234.3292226	0.516				
HHDT	Gas	65	4682.727405			0.001025111			4.01	29	116	2.32732E-05
HHDT Total			809394.7281				Total HD Emissions	0.516				2.32732E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	1972.587943	0.000557467	1.09965355	0.002				
LDT1	Gas	65	351918.8238			0.000677843						
LDT1	Dsl	65	198.1512765	2.55082E-05	7.910910409	0.00425494	0.03366045	0.000				
LDT2	Gas	65	1685801.242			0.000617054						
LDT2	Dsl	65	3707.938726	0.000477327	148.0342271	0.003216718	0.476184345	0.001				
LHDT1	Gas	65	77238.95924			0.001006258						
LHDT1	Dsl	65	336226.8654	0.043282808	13423.38367	0.004688288	62.93268766	0.138				
LHDT2	Gas	65	34788.99327			0.001022679						
LHDT2	Dsl	65	170424.5569	0.021938917	6803.960213	0.005337568	36.31659897	0.080				
MCY	Gas	65	42645.5219			0.002202991						
MDV	Gas	65	909824.0021			0.000668995						
MDV	Dsl	65	25783.8167	0.003319176	1029.382538	0.000687321	0.707516016	0.002				
MH	Gas	65	8910.37144			0.001012904						
MH	Dsl	65	3547.17192	0.000456631	141.615839	0.015106615	2.139335935	0.005				
MHDT	Dsl	65	416990.184	0.053679547	16647.74533	0.001022603	17.02403741	0.037				
MHDT	Gas	65	34913.98133			0.002338275						
OBUS	Dsl	65	41629.96737	0.005359066	1662.017768	0.001021766	1.698193243	0.004				
OBUS	Gas	65	14765.97186			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0.001006684						
UBUS	Dsl	65	2478.47174	0.000319056	98.9494907	0.148869079	0.099610853	0.000	4.01	29	116	
Total LM Emissions								0.270				1.21692E-05
Total DPM Emissions								0.785	TOTAL Emissions			3.5442E-05

LA I-710

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 328,739 74,579
 Segment Length
 2.1 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	74147.53	0.004489986	332.9213246	0.732				
HHDT	Gas	65	4682.727405			0.001025111			2.1	23	48	7.96099E-05
HHDT Total			809394.7281				Total HD Emissions	0.732				7.96099E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	2090.937368	0.000557467	1.165629501	0.003				
LDT1	Gas	65	351918.8238			0.000677843						
LDT1	Dsl	65	198.1512765	2.55082E-05	8.385541566	0.00425494	0.035679978	0.000				
LDT2	Gas	65	1685801.242			0.000617054						
LDT2	Dsl	65	3707.938726	0.000477327	156.9158416	0.003216718	0.504753993	0.001				
LHDT1	Gas	65	77238.95924			0.001006258						
LHDT1	Dsl	65	336226.8654	0.043282808	14228.74687	0.004688288	66.70846223	0.147				
LHDT2	Gas	65	34788.99327			0.001022679						
LHDT2	Dsl	65	170424.5569	0.021938917	7212.177642	0.005337568	38.49548717	0.085				
MCY	Gas	65	42645.5219			0.002202991						
MDV	Gas	65	909824.0021			0.000668995						
MDV	Dsl	65	25783.8167	0.003319176	1091.142437	0.000687321	0.749964879	0.002				
MH	Gas	65	8910.37144			0.001012904						
MH	Dsl	65	3547.17192	0.000456631	150.1123692	0.015106615	2.267689745	0.005				
MHDT	Dsl	65	416990.184	0.053679547	17646.56066	0.001022603	18.04542915	0.040				
MHDT	Gas	65	34913.98133			0.002338275						
OBUS	Dsl	65	41629.96737	0.005359066	1761.733903	0.001021766	1.800079799	0.004				
OBUS	Gas	65	14765.97186			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0.001006684						
UBUS	Dsl	65	2478.47174	0.000319056	104.8861666	0.148869079	0.105587209	0.000	2.1	23	48	
Total LM Emissions								0.286				3.10573E-05
Total DPM Emissions								1.018	TOTAL Emissions			1.1067E-04

LA SR-60 DB

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 701,463 106,372
 Segment Length
 7.2 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	105756.59	0.004489986	474.8455616	1.045				
HHDT	Gas	65	4682.727405			0.001025111			7.2	29	209	2.6266E-05
HHDT Total			809394.7281				Total HD Emissions	1.045				2.6266E-05
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	4461.640386	0.000557467	2.487219242	0.005				
LDT1	Gas	65	351918.8238			0	0.000677843					
LDT1	Dsl	65	198.1512765	2.55082E-05	17.8930615	0.00425494	0.076133906	0.000				
LDT2	Gas	65	1685801.242			0	0.000617054					
LDT2	Dsl	65	3707.938726	0.000477327	334.82689	0.003216718	1.077043643	0.002				
LHDT1	Gas	65	77238.95924			0	0.001006258					
LHDT1	Dsl	65	336226.8654	0.043282808	30361.28803	0.004688288	142.3424603	0.313				
LHDT2	Gas	65	34788.99327			0	0.001022679					
LHDT2	Dsl	65	170424.5569	0.021938917	15389.33855	0.005337568	82.14163795	0.181				
MCY	Gas	65	42645.5219			0	0.002202991					
MDV	Gas	65	909824.0021			0	0.000668995					
MDV	Dsl	65	25783.8167	0.003319176	2328.278809	0.000687321	1.600274423	0.004				
MH	Gas	65	8910.37144			0	0.001012904					
MH	Dsl	65	3547.17192	0.000456631	320.3096464	0.015106615	4.838794458	0.011				
MHDT	Dsl	65	416990.184	0.053679547	37654.21621	0.001022603	38.50532145	0.085				
MHDT	Gas	65	34913.98133			0	0.002338275					
OBUS	Dsl	65	41629.96737	0.005359066	3759.186312	0.001021766	3.841008753	0.008				
OBUS	Gas	65	14765.97186			0	0.003045399					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0	0.001006684					
UBUS	Dsl	65	2478.47174	0.000319056	223.8060135	0.148869079	0.225301897	0.000	7.2	29	209	
Total LM Emissions								0.610				1.53297E-05
Total DPM Emissions								1.654	TOTAL Emissions			4.1596E-05

LA SR-60 SEM

Region Type: County
 Region: Los Angeles (SC)
 Calendar Year: 2045
 Season: Annual

LM HD
 338,431 35,323
 Segment Length
 8.31 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	LA I-710 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	804712.0007	0.994214532	35118.64	0.004489986	157.6821887	0.347				
HHDT	Gas	65	4682.727405			0.001025111			8.31	26	216	8.42909E-06
HHDT Total			809394.7281				Total HD Emissions	0.347				8.42909E-06
LDA	Gas	65	3554539.187			0.000617625						
LDA	Dsl	65	49409.08171	0.006360479	2152.583126	0.000557467	1.199995004	0.003				
LDT1	Gas	65	351918.8238			0	0.000677843					
LDT1	Dsl	65	198.1512765	2.55082E-05	8.632767081	0.00425494	0.036731907	0.000				
LDT2	Gas	65	1685801.242			0	0.000617054					
LDT2	Dsl	65	3707.938726	0.000477327	161.5420902	0.003216718	0.51963533	0.001				
LHDT1	Gas	65	77238.95924			0	0.001006258					
LHDT1	Dsl	65	336226.8654	0.043282808	14648.24384	0.004688288	68.67518481	0.151				
LHDT2	Gas	65	34788.99327			0	0.001022679					
LHDT2	Dsl	65	170424.5569	0.021938917	7424.809625	0.005337568	39.6304248	0.087				
MCY	Gas	65	42645.5219			0	0.002202991					
MDV	Gas	65	909824.0021			0	0.000668995					
MDV	Dsl	65	25783.8167	0.003319176	1123.311886	0.000687321	0.77207561	0.002				
MH	Gas	65	8910.37144			0	0.001012904					
MH	Dsl	65	3547.17192	0.000456631	154.5380354	0.015106615	2.334546579	0.005				
MHDT	Dsl	65	416990.184	0.053679547	18166.82283	0.001022603	18.5774509	0.041				
MHDT	Gas	65	34913.98133			0	0.002338275					
OBUS	Dsl	65	41629.96737	0.005359066	1813.673968	0.001021766	1.853150392	0.004				
OBUS	Gas	65	14765.97186			0	0.003045399					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	2395.641847			0	0.001006684					
UBUS	Dsl	65	2478.47174	0.000319056	107.9784578	0.148869079	0.108700169	0.000	8.31	26	216	
Total LM Emissions								0.294				7.14752E-06
Total DPM Emissions								0.641	TOTAL Emissions			1.5577E-05

ORA I-5

Region Type: County
 Region: Orange
 Calendar Year: 2045
 Season: Annual

LM HD
 351,556 38,480
 Segment Length
 7.11 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-5 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	153993.0915	0.993334547	38223.51	0.004390344	167.8143728	0.369				
HHDT	Gas	65	1033.321324			0.001025276			7.11	14	100	1.94717E-05
HHDT Total			155026.4129				Total HD Emissior	0.369				1.94717E-05
LDA	Gas	65	2247129.503			0.000606964						
LDA	Dsl	65	31292.79203	0.007321937	2574.070737	0.00053549	1.378390394	0.003				
LDT1	Gas	65	200126.7569			0.000650632						
LDT1	Dsl	65	110.6700333	2.58947E-05	9.103454042	0.003325643	0.030274841	0.000				
LDT2	Gas	65	983956.1484			0.000605762						
LDT2	Dsl	65	2165.695016	0.000506733	178.1449274	0.003119863	0.555787847	0.001				
LHDT1	Gas	65	17717.03289			0.001003301						
LHDT1	Dsl	65	70955.24518	0.01660222	5836.609916	0.004895683	28.57419365	0.063				
LHDT2	Gas	65	7951.384008			0.001022359						
LHDT2	Dsl	65	35749.3252	0.008364683	2940.654569	0.005344754	15.71707662	0.035				
MCY	Gas	65	23932.03555			0.002200421						
MDV	Gas	65	471900.4302			0.000654405						
MDV	Dsl	65	13390.6476	0.003133165	1101.482862	0.000658269	0.725071747	0.002				
MH	Gas	65	2253.590748			0.001010546						
MH	Dsl	65	864.9048123	0.000202372	71.1450153	0.020018122	1.424189577	0.003				
MHDT	Dsl	65	145509.7453	0.034046599	11969.286	0.00102122	12.22326954	0.027				
MHDT	Gas	65	7722.828122			0.002341319						
OBUS	Dsl	65	6168.256899	0.001443258	507.3861599	0.001022419	0.518761033	0.001				
OBUS	Gas	65	3827.041697			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	556.9458034			0.000998951						
UBUS	Dsl	65	559.8969161	0.000131006	46.05579029	0.150386559	0.046007493	0.000	7.11	14	100	
Total LM Emissions								0.135				7.1003E-06
Total DPM Emissions								0.504	TOTAL Emissions			2.6572E-05

ORA I-4055

Region Type: County
 Region: Orange
 Calendar Year: 2045
 Season: Annual

LM HD
 413,164 63,343
 Segment Length
 4.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	ORA I-405 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	153993.0915	0.993334547	62920.79	0.004390344	276.2439142	0.608				
HHDT	Gas	65	1033.321324			0.001025276			4.9	21	103	3.10063E-05
HHDT Total			155026.4129				Total HD Emissions	0.608				3.10063E-05
LDA	Gas	65	2247129.503			0.000606964						
LDA	Dsl	65	31292.79203	0.007321937	3025.160606	0.00053549	1.619944728	0.004				
LDT1	Gas	65	200126.7569			0.000650632						
LDT1	Dsl	65	110.6700333	2.58947E-05	10.69877768	0.003325643	0.035580318	0.000				
LDT2	Gas	65	983956.1484			0.000605762						
LDT2	Dsl	65	2165.695016	0.000506733	209.3637167	0.003119863	0.653186206	0.001				
LHDT1	Gas	65	17717.03289			0.001003301						
LHDT1	Dsl	65	70955.24518	0.01660222	6859.439461	0.004895683	33.58164317	0.074				
LHDT2	Gas	65	7951.384008			0.001022359						
LHDT2	Dsl	65	35749.3252	0.008364683	3455.985972	0.005344754	18.47139644	0.041				
MCY	Gas	65	23932.03555			0.002200421						
MDV	Gas	65	471900.4302			0.000654405						
MDV	Dsl	65	13390.6476	0.003133165	1294.510875	0.000658269	0.852136056	0.002				
MH	Gas	65	2253.590748			0.001010546						
MH	Dsl	65	864.9048123	0.000202372	83.61273624	0.020018122	1.673769932	0.004				
MHDT	Dsl	65	145509.7453	0.034046599	14066.82884	0.00102122	14.36532142	0.032				
MHDT	Gas	65	7722.828122			0.002341319						
OBUS	Dsl	65	6168.256899	0.001443258	596.3024252	0.001022419	0.609670674	0.001				
OBUS	Gas	65	3827.041697			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	556.9458034			0.000998951						
UBUS	Dsl	65	559.8969161	0.000131006	54.12678077	0.150386559	0.05407002	0.000	4.9	21	103	
Total LM Emissions								0.158				8.07211E-06
Total DPM Emissions								0.766	TOTAL Emissions			3.9078E-05

RIV I-10

Region Type: County
 Region: Riverside
 Calendar Year: 2045
 Season: Annual

LM HD
 686,909 245,307
 Segment Length
 9.97 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV I-10 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	57425.03667	0.99857921	244958.47	0.004249092	1040.851112	2.290				
HHDT	Gas	65	81.70511388			0.00102492			9.97	34	339	3.54639E-05
HHDT Tota			57506.74178				Total HD Emissions	2.290				3.54639E-05
LDA	Gas	65	122364.2875			0.000612601						
LDA	Dsl	65	1703.699775	0.00784019	5385.499019	0.000557169	3.000633336	0.007				
LDT1	Gas	65	9258.935654			0.000651602						
LDT1	Dsl	65	5.167844437	2.3782E-05	16.33587182	0.00367529	0.060039071	0.000				
LDT2	Gas	65	50483.50114			0.000617877						
LDT2	Dsl	65	111.0283608	0.00051094	350.9674278	0.003194747	1.121252266	0.002				
LHDT1	Gas	65	1139.795528			0.000999681						
LHDT1	Dsl	65	1439.035679	0.00662224	4548.879648	0.005310935	24.15880199	0.053				
LHDT2	Gas	65	458.2873117			0.001022422						
LHDT2	Dsl	65	718.9859183	0.00330867	2272.758389	0.005329699	12.11311753	0.027				
MCY	Gas	65	1316.037979			0.002195013						
MDV	Gas	65	25891.77914			0.000662681						
MDV	Dsl	65	732.877644	0.0033726	2316.670983	0.000678552	1.571982009	0.003				
MH	Gas	65	151.5598152			0.001009549						
MH	Dsl	65	35.07567434	0.00016141	110.8763483	0.020786562	2.304738064	0.005				
MHDT	Dsl	65	516.9634753	0.002379	1634.153112	0.001022495	1.670913941	0.004				
MHDT	Gas	65	610.4960727			0.002541873						
OBUS	Dsl	65	7.730710997	3.5576E-05	24.4372495	0.001022049	0.024976067	0.000				
OBUS	Gas	65	296.2124272			0.003099277						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	30.70590264			0.001002961						
UBUS	Dsl	65	31.09690521	0.0001431	98.29921617	0.134787715	0.098590246	0.000	9.97	34	339	
Total LM Emissions								0.101				1.57158E-06
Total DPM Emissions								2.391	TOTAL Emissions			3.7036E-05

RIV I-15

Region Type: County
 Region: Riverside
 Calendar Year: 2045
 Season: Annual

LM HD
 1,150,527 145,612
 Segment Length
 10.64 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV I-15 Diesel VMT	PM_10RUNEX	DPM Emisisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	57425.03667	0.99857921	145405.12	0.004249092	617.8397357	1.359				
HHDT	Gas	65	81.70511388			0.00102492			10.64	23	245	2.91594E-05
			HHDT Tota				Total HD Emissions	1.359				2.91594E-05
LDA	Gas	65	122364.2875			0.000612601						
LDA	Dsl	65	1703.699775	0.00784019	9020.35354	0.000557169	5.025861751	0.011				
LDT1	Gas	65	9258.935654			0	0.000651602					
LDT1	Dsl	65	5.167844437	2.3782E-05	27.36150145	0.00367529	0.100561461	0.000				
LDT2	Gas	65	50483.50114			0	0.000617877					
LDT2	Dsl	65	111.0283608	0.00051094	587.8471556	0.003194747	1.878023152	0.004				
LHDT1	Gas	65	1139.795528			0	0.000999681					
LHDT1	Dsl	65	1439.035679	0.00662224	7619.071602	0.005310935	40.46439044	0.089				
LHDT2	Gas	65	458.2873117			0	0.001022422					
LHDT2	Dsl	65	718.9859183	0.00330867	3806.71951	0.005329699	20.28866817	0.045				
MCY	Gas	65	1316.037979			0	0.002195013					
MDV	Gas	65	25891.77914			0	0.000662681					
MDV	Dsl	65	732.877644	0.0033726	3880.27019	0.000678552	2.632965567	0.006				
MH	Gas	65	151.5598152			0	0.001009549					
MH	Dsl	65	35.07567434	0.00016141	185.710527	0.020786562	3.860283343	0.008				
MHDT	Dsl	65	516.9634753	0.002379	2737.098039	0.001022495	2.798669989	0.006				
MHDT	Gas	65	610.4960727			0	0.002541873					
OBUS	Dsl	65	7.730710997	3.5576E-05	40.93077156	0.001022049	0.041833255	0.000				
OBUS	Gas	65	296.2124272			0	0.003099277					
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	30.70590264			0	0.001002961					
UBUS	Dsl	65	31.09690521	0.0001431	164.6446651	0.134787715	0.165132121	0.000	10.64	23	245	
							Total LM Emissions	0.170				3.64617E-06
							Total DPM Emissions	1.529	TOTAL Emissions			3.2806E-05

RIV SR-91

Region Type: County
 Region: Riverside
 Calendar Year: 2045
 Season: Annual

LM 589,181
 HD 84,762
 Segment Length 6.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	RIV SR-91 Diesel VMT	PM_10RUNEX	DPM Emisisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	603495.3518	0.99835852	84622.86	0.004249092	359.5703504	0.791				
HHDT	Gas	65	992.2554051			0.00102492			6.53	17	111	3.74106E-05
HHDT Tota			604487.6072				Total HD Emissions	0.791				3.74106E-05
LDA	Gas	65	2904962.144			0.000612601						
LDA	Dsl	65	40432.58932	0.00785878	4630.245466	0.000557169	2.579829436	0.006				
LDT1	Gas	65	193669.0801			0.000651602						
LDT1	Dsl	65	107.2821597	2.0852E-05	12.28570175	0.00367529	0.04515352	0.000				
LDT2	Gas	65	1109612.908			0.000617877						
LDT2	Dsl	65	2441.038772	0.00047446	279.5420451	0.003194747	0.893066212	0.002				
LHDT1	Gas	65	23046.23807			0.000999681						
LHDT1	Dsl	65	81179.12407	0.01577859	9296.443227	0.005310935	49.37280132	0.109				
LHDT2	Gas	65	9022.063228			0.001022422						
LHDT2	Dsl	65	40978.07508	0.00796481	4692.713217	0.005329699	25.01074772	0.055				
MCY	Gas	65	20904.3844			0.002195013						
MDV	Gas	65	555323.3392			0.000662681						
MDV	Dsl	65	15657.80235	0.00304337	1793.094866	0.000678552	1.216708324	0.003				
MH	Gas	65	2513.067667			0.001009549						
MH	Dsl	65	973.1265612	0.00018914	111.4401754	0.020786562	2.316458091	0.005				
MHDT	Dsl	65	126901.8633	0.0246656	14532.50428	0.001022495	14.8594179	0.033				
MHDT	Gas	65	7409.193806			0.002541873						
OBUS	Dsl	65	4781.432499	0.00092936	547.5584552	0.001022049	0.559631584	0.001				
OBUS	Gas	65	3882.402715			0.003099277						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	553.7270488			0.001002961						
UBUS	Dsl	65	541.2735523	0.00010521	61.98537994	0.134787715	0.062168897	0.000	6.53	17	111	
Total LM Emissions								0.213				1.00834E-05
Total DPM Emissions								1.004	TOTAL Emissions			4.7494E-05

SB I-15 ONT

Region Type: County
 Region: San Bernardino
 Calendar Year: 2045
 Season: Annual

LM 382,184 HD 83,858
 Segment Length 5.9 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 ONT Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	200129.5545	0.997902691	83682.12	0.00443437	371.0775225	0.816				
HHDT	Gas	65	420.6157035			0.00102483			5.9	26	153	2.79391E-05
HHDT Total			200550.1702				Total HD Emissions	0.816				2.79391E-05
LDA	Gas	65	1246500.433			0.0006121						
LDA	Dsl	65	17343.69992	0.007551791	2886.173683	0.000547639	1.580581854	0.003				
LDT1	Gas	65	87185.77028			0.00065544						
LDT1	Dsl	65	48.84379664	2.12676E-05	8.12812036	0.003523281	0.028637655	0.000				
LDT2	Gas	65	495944.1253			0.000617766						
LDT2	Dsl	65	1090.207868	0.000474698	181.4220306	0.003191125	0.578940394	0.001				
LHDT1	Gas	65	8901.691224			0.000999365						
LHDT1	Dsl	65	39538.39345	0.017215801	6579.603612	0.005194416	34.17719586	0.075				
LHDT2	Gas	65	3454.678617			0.001021923						
LHDT2	Dsl	65	19878.11386	0.008655325	3307.92676	0.005269477	17.43104331	0.038				
MCY	Gas	65	9472.723827			0.002198055						
MDV	Gas	65	268924.6384			0.000664508						
MDV	Dsl	65	7577.060964	0.003299203	1260.902463	0.000674305	0.85023275	0.002				
MH	Gas	65	799.4989937			0.001005371						
MH	Dsl	65	376.1138498	0.000163767	62.58929179	0.022200292	1.389500539	0.003				
MHDT	Dsl	65	81834.98352	0.035632575	13618.20009	0.00102336	13.93632053	0.031				
MHDT	Gas	65	3138.391106			0.002343175						
OBUS	Dsl	65	2647.006914	0.001152559	440.4897299	0.001022729	0.450501498	0.001				
OBUS	Gas	65	1450.800385			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	264.6002512			0.001009277						
UBUS	Dsl	65	262.2718908	0.000114198	43.64479509	0.149770499	0.044049686	0.000	5.9	26	153	
Total LM Emissions								0.155				5.30558E-06
Total DPM Emissions								0.971	TOTAL Emissions			3.3245E-05

SB I-15 VIC

Region Type: County
 Region: San Bernardino
 Calendar Year: 2045
 Season: Annual

LM 398,054 HD 174,372
 Segment Length 4.53 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB I-15 VIC Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	939957.3646	0.995648355	173613.19	0.00443437	769.865191	1.694				
HHDT	Gas	65	4108.238294			0.00102483			4.53	23	104	8.53417E-05
HHDT Total			944065.6029				Total HD Emissions	1.694				8.53417E-05
LDA	Gas	65	3345467.725			0.0006121						
LDA	Dsl	65	46569.98247	0.007936382	3159.108548	0.000547639	1.730051686	0.004				
LDT1	Gas	65	223198.9989			0.00065544						
LDT1	Dsl	65	124.4510172	2.12087E-05	8.442225041	0.003523281	0.029744335	0.000				
LDT2	Gas	65	1246398.67			0.000617766						
LDT2	Dsl	65	2741.144588	0.000467141	185.9475319	0.003191125	0.593381835	0.001				
LHDT1	Gas	65	40465.47663			0.000999365						
LHDT1	Dsl	65	63822.56206	0.010876539	4329.449802	0.005194416	22.48896173	0.049				
LHDT2	Gas	65	15958.60853			0.001021923						
LHDT2	Dsl	65	31739.67148	0.005409024	2153.083643	0.005269477	11.3456243	0.025				
MCY	Gas	65	53702.03968			0.002198055						
MDV	Gas	65	625131.5956			0.000664508						
MDV	Dsl	65	17603.56869	0.002999972	1194.150854	0.000674305	0.805221811	0.002				
MH	Gas	65	5635.321691			0.001005371						
MH	Dsl	65	1525.7386	0.000260014	103.4995849	0.022200292	2.297720981	0.005				
MHDT	Dsl	65	94731.45069	0.016143982	6426.176688	0.00102336	6.576291837	0.014				
MHDT	Gas	65	30676.32694			0.002343175						
OBUS	Dsl	65	3642.098724	0.000620681	247.0644094	0.001022729	0.252679867	0.001				
OBUS	Gas	65	15609.66688			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	1577.680665			0.001009277						
UBUS	Dsl	65	1588.163257	0.000270652	107.7342068	0.149770499	0.108733652	0.000	4.53	23	104	
Total LM Emissions								0.102				5.12455E-06
Total DPM Emissions								1.795	TOTAL Emissions			9.0466E-05

SB SR-60

Region Type: County
 Region: San Bernardino
 Calendar Year: 2045
 Season: Annual

LM HD
 470,167 117,630
 Segment Length
 8.76 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	SB SR-60 Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	200129.5545	0.997902691	117383.29	0.00443437	520.5209875	1.145				
HHDT	Gas	65	420.6157035			0.00102483			8.76	28	245	2.45103E-05
HHDT Total			200550.1702				Total HD Emission	1.145				2.45103E-05
LDA	Gas	65	1246500.433			0.0006121						
LDA	Dsl	65	17343.69992	0.007551791	3550.602909	0.000547639	1.944449346	0.004				
LDT1	Gas	65	87185.77028			0.00065544						
LDT1	Dsl	65	48.84379664	2.12676E-05	9.999303909	0.003523281	0.035230362	0.000				
LDT2	Gas	65	495944.1253			0.000617766						
LDT2	Dsl	65	1090.207868	0.000474698	223.1873963	0.003191125	0.7122189	0.002				
LHDT1	Gas	65	8901.691224			0.000999365						
LHDT1	Dsl	65	39538.39345	0.017215801	8094.301414	0.005194416	42.0451658	0.092				
LHDT2	Gas	65	3454.678617			0.001021923						
LHDT2	Dsl	65	19878.11386	0.008655325	4069.448227	0.005269477	21.44386301	0.047				
MCY	Gas	65	9472.723827			0.002198055						
MDV	Gas	65	268924.6384			0.000664508						
MDV	Dsl	65	7577.060964	0.003299203	1551.176209	0.000674305	1.045965769	0.002				
MH	Gas	65	799.4989937			0.001005371						
MH	Dsl	65	376.1138498	0.000163767	76.99804166	0.022200292	1.70937899	0.004				
MHDT	Dsl	65	81834.98352	0.035632575	16753.26095	0.00102336	17.14461624	0.038				
MHDT	Gas	65	3138.391106			0.002343175						
OBUS	Dsl	65	2647.006914	0.001152559	541.8953563	0.001022729	0.554211944	0.001				
OBUS	Gas	65	1450.800385			0.003045399						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	264.6002512			0.001009277						
UBUS	Dsl	65	262.2718908	0.000114198	53.69231148	0.149770499	0.054190413	0.000	8.76	28	245	
Total LM Emissions								0.191				4.08203E-06
Total DPM Emissions								1.336	TOTAL Emissions			2.8592E-05

VEN US-101 SB

Region Type: County
 Region: Ventura
 Calendar Year: 2045
 Season: Annual

LM 283,720 HD 56,080
 Segment Length 3.37 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 SB Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	70034.90839	0.993256128	55701.80	0.004309139	240.026796	0.528				
HHDT	Gas	65	475.5132292			0.001025323			3.37	34	115	2.41949E-05
HHDT Tota			70510.42162				Total HD Emissions	0.528				2.41949E-05
LDA	Gas	65	997729.0145			0.000613515						
LDA	Dsl	65	13887.76055	0.007860461	2230.170034	0.000564513	1.258960834	0.003				
LDT1	Gas	65	73374.10961			0.000646402						
LDT1	Dsl	65	40.86191799	2.31278E-05	6.561822887	0.003672462	0.024098043	0.000				
LDT2	Gas	65	362178.7202			0.000603877						
LDT2	Dsl	65	797.3479665	0.000451298	128.0423532	0.003103117	0.397330397	0.001				
LHDT1	Gas	65	8575.401186			0.001000033						
LHDT1	Dsl	65	35784.9118	0.020254231	5746.530384	0.005309288	30.50998688	0.067				
LHDT2	Gas	65	3809.008255			0.001021503						
LHDT2	Dsl	65	17871.35862	0.010115174	2869.87728	0.005326302	15.28583447	0.034				
MCY	Gas	65	6967.471097			0.002194021						
MDV	Gas	65	177765.6253			0.000643782						
MDV	Dsl	65	5047.56836	0.00285692	810.5652211	0.000627726	0.508812972	0.001				
MH	Gas	65	1073.513606			0.000997337						
MH	Dsl	65	423.5448782	0.000239726	68.01507643	0.029177471	1.984507887	0.004				
MHDT	Dsl	65	54488.02204	0.030840176	8749.974736	0.001023363	8.954399637	0.020				
MHDT	Gas	65	3548.425005			0.002346996						
OBUS	Dsl	65	1327.10641	0.000751141	213.1137656	0.001022489	0.21790641	0.000				
OBUS	Gas	65	1619.295978			0.002952713						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	238.5062521			0.001013263						
UBUS	Dsl	65	239.4277363	0.000135516	38.44857209	0.090379155	0.038958532	0.000	3.37	34	115	
Total LM Emissions								0.130				5.96547E-06
Total DPM Emissions								0.658	TOTAL Emissions			3.0160E-05

VEN US-101 TO

Region Type: County
 Region: Ventura
 Calendar Year: 2016
 Season: Annual

LM 200,253
 Segment Length
 HD 20,738
 1.73 miles

Vehicle Class	Fuel	Speed	VMT	Proportion	VEN US-101 TO Diesel VMT	PM_10RUNEX	DPM Emisions (g/day)	DPM Emissions (lb/day)	Miles	Source/Miles	Sources	Emissions (g/s)
HHDT	Dsl	65	70034.90839	0.993256128	20598.15	0.004309139	88.76026561	0.195				
HHDT	Gas	65	475.5132292			0.001025323			1.73	24	42	2.46907E-05
HHDT Tota			70510.42162				Total HD Emissions	0.195				2.46907E-05
LDA	Gas	65	997729.0145			0.000613515						
LDA	Dsl	65	13887.76055	0.007860461	1574.080924	0.000564513	0.88858975	0.002				
LDT1	Gas	65	73374.10961			0.000646402						
LDT1	Dsl	65	40.86191799	2.31278E-05	4.631413783	0.003672462	0.01700869	0.000				
LDT2	Gas	65	362178.7202			0.000603877						
LDT2	Dsl	65	797.3479665	0.000451298	90.37383813	0.003103117	0.280440589	0.001				
LHDT1	Gas	65	8575.401186			0.001000033						
LHDT1	Dsl	65	35784.9118	0.020254231	4055.970495	0.005309288	21.53431694	0.047				
LHDT2	Gas	65	3809.008255			0.001021503						
LHDT2	Dsl	65	17871.35862	0.010115174	2025.594018	0.005326302	10.78892644	0.024				
MCY	Gas	65	6967.471097			0.002194021						
MDV	Gas	65	177765.6253			0.000643782						
MDV	Dsl	65	5047.56836	0.00285692	572.1067151	0.000627726	0.359126336	0.001				
MH	Gas	65	1073.513606			0.000997337						
MH	Dsl	65	423.5448782	0.000239726	48.00586177	0.029177471	1.400689616	0.003				
MHDT	Dsl	65	54488.02204	0.030840176	6175.837766	0.001023363	6.320123328	0.014				
MHDT	Gas	65	3548.425005			0.002346996						
OBUS	Dsl	65	1327.10641	0.000751141	150.4182677	0.001022489	0.153800974	0.000				
OBUS	Gas	65	1619.295978			0.002952713						
SBUS	Dsl	65	0	0	0	0.002199722	0	0.000				
UBUS	Gas	65	238.5062521			0.001013263						
UBUS	Dsl	65	239.4277363	0.000135516	27.13746619	0.090379155	0.027497402	0.000	1.73	24	42	
Total LM Emissions								0.092				1.16194E-05
Total DPM Emissions								0.287	TOTAL Emissions			3.6310E-05

Attachment B

Health Risk Calculations for Each Transportation Segment, Receptor, and Evaluation Simulation

Segment No.	Transportation Segment	County/Region	Receptor Type	Location		Maximum Concentration (ug/m3)	DPM EMISSION RATES					MAX CONCENTRATION						MEIR 30-Year												
							Simulation 1 (2016 BY)	Simulation 2 (2045 BL)	Simulation 3 (2045 Local Input)	Simulation 4 (Plan, 2045)	Simulation 5 (2045 PEIR)	Simulation 6 (2045 Unconstrained)	Simulation 1 (2016 BY)	Simulation 2 (2045 BL)	Simulation 3 (2045 Local Input)	Simulation 4 (Plan, 2045)	Simulation 5 (2045 PEIR)	Simulation 6 (2045 Unconstrained)	Simulation 1 (2016 BY)	Simulation 2 (2045 BL)	Simulation 3 (2045 Local Input)	Simulation 4 (Plan, 2045)	Simulation 5 (2045 PEIR)	Simulation 6 (2045 Unconstrained)						
1	IMP I-8	Imperial/EI Centro	MEIR	635568.96	3627200.32	1200.00	2.3600E-05	1.3653E-05	1.4088E-05	1.4010E-05	1.3648E-05	1.3687E-05	0.02832	0.01638	0.01691	0.01681	0.01638	0.01642	2.453E-05	1.419E-05	1.464E-05	1.456E-05	1.419E-05	1.423E-05						
			MEIW	635402.81	3627199.07	1019.82							0.02407	0.01392	0.01437	0.01429	0.01392	0.01396	-	-	-	-	-	-	-	-	-	-	-	
			Day Care	636187.59	3627222.09	1042.33							0.02460	0.01423	0.01468	0.01460	0.01423	0.01427	-	-	-	-	-	-	-	-	-	-	-	-
			School	635097.32	3627472.29	79.74							0.00188	0.00109	0.00112	0.00112	0.00112	0.00109	-	-	-	-	-	-	-	-	-	-	-	-
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	IMP SR-78	Imperial/Westmoreland	MEIR	629054.74	3656301.01	3843.00	1.9400E-05	1.1148E-05	6.2701E-06	5.6900E-06	5.8947E-06	5.8709E-06	0.07455	0.04284	0.02410	0.02187	0.02265	0.02109	6.458E-05	3.711E-05	2.087E-05	1.894E-05	1.962E-05	1.827E-05						
			MEIW	628683.60	3656303.89	3086.66							0.05988	0.03441	0.01935	0.01756	0.01819	0.01694	-	-	-	-	-	-	-	-	-	-	-	
			Day Care	628731.34	3656427.60	697.25							0.01353	0.00777	0.00437	0.00397	0.00411	0.00383	-	-	-	-	-	-	-	-	-	-	-	-
			School	629046.29	3656145.58	494.48							0.00959	0.00551	0.00310	0.00281	0.00291	0.00271	-	-	-	-	-	-	-	-	-	-	-	-
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	LA I-110	Los Angeles/Carson	MEIR	380884.56	3742431.00	770.28	1.0400E-04	3.7233E-05	3.5908E-05	3.5152E-05	3.5562E-05	3.5442E-05	0.08011	0.02868	0.02766	0.02708	0.02739	0.02730	6.939E-05	2.484E-05	2.396E-05	2.345E-05	2.373E-05	2.365E-05						
			MEIW	380884.56	3742431.00	770.28							0.08011	0.02868	0.02766	0.02708	0.02739	0.02730	-	-	-	-	-	-	-	-	-	-	-	
			Day Care	381384.56	3743431.00	62.47							0.00650	0.00233	0.00224	0.00220	0.00222	0.00221	-	-	-	-	-	-	-	-	-	-	-	
			School	381084.56	3743231.00	253.69							0.02638	0.00945	0.00911	0.00892	0.00902	0.00899	-	-	-	-	-	-	-	-	-	-	-	
			Retirement Center	380584.56	3743431.00	150.49							0.01565	0.00560	0.00540	0.00529	0.00535	0.00533	-	-	-	-	-	-	-	-	-	-	-	
4	LA I-710	Los Angeles/Compton	MEIR	390082.75	3751343.00	324.27	2.2700E-04	1.1121E-04	1.1055E-04	1.0995E-04	1.1142E-04	1.1067E-04	0.07361	0.03606	0.03585	0.03565	0.03613	0.03589	6.376E-05	3.124E-05	3.105E-05	3.088E-05	3.129E-05	3.108E-05						
			MEIW	390382.75	3750843.00	185.07							0.04201	0.02058	0.01953	0.02035	0.02062	0.02048	-	-	-	-	-	-	-	-	-	-		
			Day Care	389888.48	3751448.38	123.58							0.02805	0.01374	0.01304	0.01359	0.01377	0.01368	-	-	-	-	-	-	-	-	-	-		
			School	390582.75	3751243.00	117.45							0.02666	0.01306	0.01239	0.01291	0.01309	0.01300	-	-	-	-	-	-	-	-	-	-		
			Retirement Center	391182.75	3750493.00	41.33							0.00938	0.00460	0.00436	0.00454	0.00461	0.00457	-	-	-	-	-	-	-	-	-	-		
5	LA SR-60 DB	Los Angeles/Diamond Bar	MEIR	425440.44	3765282.50	815.25	1.5100E-04	4.3987E-05	4.1162E-05	4.2065E-05	4.1360E-05	4.1596E-05	0.12310	0.03586	0.03356	0.03429	0.03372	0.03391	1.066E-04	3.106E-05	2.907E-05	2.907E-05	2.921E-05	2.937E-05						
			MEIW	425240.44	3764682.50	111.20							0.01679	0.00489	0.00458	0.00468	0.00460	0.00463	-	-	-	-	-	-	-	-	-			
			Day Care	425240.44	3764982.50	330.46							0.04990	0.01454	0.01360	0.01390	0.01367	0.01375	-	-	-	-	-	-	-	-	-			
			School	426090.44	3465182.50	101.19							0.01528	0.00445	0.00445	0.00426	0.00419	0.00421	-	-	-	-	-	-	-	-	-			
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
6	LA SR-60 SEM	Los Angeles/ South El Monte	MEIR	403299.59	3767032.25	1252.16	5.9400E-05	1.6991E-05	1.5122E-05	1.5063E-05	1.5586E-05	1.5577E-05	0.07438	0.02128	0.01894	0.01886	0.01952	0.01950	6.442E-05	1.843E-05	1.640E-05	1.634E-05	1.690E-05	1.689E-05						
			MEIW	403099.59	3767132.25	649.79							0.03860	0.01104	0.00983	0.00979	0.01013	0.01012	-	-	-	-	-	-	-	-				
			Day Care	404079.38	3767047.65	222.22							0.01356	0.00388	0.00345	0.00344	0.00356	0.00356	-	-	-	-	-	-	-	-				
			School	403699.59	3766732.25	354.35							0.02105	0.00602	0.00536	0.00534	0.00552	0.00552	-	-	-	-	-	-	-	-				
			Retirement Center	404236.48	3767117.92	123.84							0.00736	0.00210	0.00187	0.00187	0.00193	0.00193	-	-	-	-	-	-	-	-				
7	ORA I-5	Orange/ Orange	MEIR	418869.47	3737828.25	242.38	1.1800E-04	2.5537E-05	2.6222E-05	2.6167E-05	2.6622E-05	2.6572E-05	0.02860	0.00619	0.00636	0.00634	0.00645	0.00644	2.477E-05	5.361E-06	5.505E-06	5.493E-06	5.589E-06	5.578E-06						
			MEIW	419369.47	3737528.25	176.23							0.02080	0.00450	0.00462	0.00461	0.00469	0.00468	-	-	-	-	-	-	-					
			Day Care	419719.47	3738828.25	15.28							0.00180	0.00039	0.00040	0.00040	0.00041	0.00041	-	-	-	-	-	-	-					
			School	419969.47	3738578.25	13.88							0.00164	0.00035	0.00036	0.00036	0.00037	0.00037	-	-	-	-	-	-	-					
			Retirement Center	419269.47	3738228.25	58.20							0.00687	0.00149	0.00153	0.00152	0.00155	0.00155	-	-	-	-	-	-	-					
8	ORA I-405	Orange/ Seal Beach	MEIR	401657.75	3737731.50	349.88	1.4300E-04	4.0276E-05	3.9313E-05	3.8834E-05	3.9197E-05	3.9078E-05	0.05003	0.01409	0.01375	0.01359	0.01371	0.01367	4.334E-05	1.221E-05	1.191E-05	1.177E-05	1.188E-05	1.184E-05						
			MEIW	401757.75	3737731.50	345.94							0.04947	0.01393	0.01360	0.01343	0.01356	0.01352	-	-	-	-	-	-	-					
			Day Care	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-	-					
			School	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-	-					
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-	-					
9	RIV I-10	Riverside/ Banning	MEIR	509257.38	3753981.75	150.51	8.0200E-05	3.8137E-05	3.8279E-05	3.7036E-05	3.7035E-05	3.7036E-05	0.01207	0.00574	0.00576	0.00557	0.00557	0.00557	1.046E-05	4.972E-06	4.990E-06	4.828E-06	4.828E-06	4.828E-06						
			MEIW	509157.38	3753881.75	330.40							0.02650	0.01260	0.01265	0.01224	0.01224	0.01224	-	-	-	-	-	-	-					
			Day Care	510618.10	374115.08	63.68							0.00511	0.00243	0.00244	0.00236	0.00236	0.00236	-	-	-	-	-	-						
			School	509457.38	3754181.75	50.80							0.00407	0.00194	0.00194	0.00188	0.00188	0.00188	-	-	-	-	-	-						
			Retirement Center	510554.04	3754655.27	17.77							0.00143	0.00068	0.00068	0.00066	0.00066	0.00066	-	-	-	-	-	-						
10	RIV SR-15	Riverside/ Temecula	MEIR	486542.59	3706163.25	335.53	5.7600E-05	3.3204E-05	3.2914E-05	3.2765E-05	3.2814E-05	3.2806E-05	0.01933	0.01114	0.01104	0.01099	0.01101	0.01101	1.674E-05	9.650E-06	9.566E-06	9.522E-06	9.536E-06	9.534E-06						
			MEIW	486142.59	3706363.25	408.28							0.02352	0.01356	0.01344	0.01338	0.01340	0.01339	-	-	-	-	-	-						
			Day Care	487117.02	3705357.22	318.54							0.01835	0.01058	0.01048	0.01044	0.01045	0.01045	-	-	-	-	-	-						
			School	486819.26	3705387.37	271.95							0.01566	0.00903	0.00895	0.00891	0.00892	0.00892	-	-	-	-	-	-						
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-						
11	RIV SR-91	Riverside/ Corona	MEIR	438747.91	3748665.25	203.50	1.2800E-04	4.7656E-05	4.8146E-05	4.7696E-05	4.7531E-05	4.7494E-05	0.02605	0.00970	0.00980	0.00971	0.00967	0.00967	2.256E-05	8.400E-06	8.487E-06	8.407E-06	8.378E-06	8.372E-06						
			MEIW	438847.91	3748665.25	303.43							0.03884	0.01446	0.01461	0.01447	0.01442	0.01441	-	-	-	-	-	-						
			Day Care	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-						
			School	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-							
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-							
12	SB I-15 ONT	San Bernardino/Ontario	MEIR	449618.44	3770540.75	376.23	1.2400E-04	3.2136E-05	3.4127E-05	3.3212																				

Segment No.	Transportation Segment	County/Region	Receptor Type	Location		Maximum Concentration (ug/m3)	DPM EMISSION RATES						MAX CONCENTRATION						MEIR 9-Year										
							Simulation 1 (2016 BY)	Simulation 2 (2045 BL)	Simulation 3 (2045 Local Input)	Simulation 4 (Plan, 2045)	Simulation 5 (2045 PEIR)	Simulation 6 (2045 Unconstrained)	Simulation 1 (2016 BY)	Simulation 2 (2045 BL)	Simulation 3 (2045 Local Input)	Simulation 4 (Plan, 2045)	Simulation 5 (2045 PEIR)	Simulation 6 (2045 Unconstrained)	Simulation 1 (2016 BY)	Simulation 2 (2045 BL)	Simulation 3 (2045 Local Input)	Simulation 4 (Plan, 2045)	Simulation 5 (2045 PEIR)	Simulation 6 (2045 Unconstrained)					
																									Simulation 1 (2016 BY)	Simulation 2 (2045 BL)	Simulation 3 (2045 Local Input)	Simulation 4 (Plan, 2045)	Simulation 5 (2045 PEIR)	Simulation 6 (2045 Unconstrained)	Simulation 1 (2016 BY)	Simulation 2 (2045 BL)	Simulation 3 (2045 Local Input)	Simulation 4 (Plan, 2045)	Simulation 5 (2045 PEIR)	Simulation 6 (2045 Unconstrained)
1	IMP I-8	Imperial/EI Centro	MEIR	63568.96	3627200.32	1200.00	2.3600E-05	1.3653E-05	1.4088E-05	1.4010E-05	1.3648E-05	1.3687E-05	0.02832	0.01638	0.01691	0.01681	0.01638	0.01642	1.742E-05	1.008E-05	1.040E-05	1.034E-05	1.008E-05	1.011E-05					
			MEIW	635402.81	3627199.07	1019.82							0.02407	0.01392	0.01437	0.01429	0.01392	0.01396	-	-	-	-	-	-	-	-	-	-	
			Day Care	636187.59	3627222.09	1042.33							0.02460	0.01423	0.01468	0.01460	0.01423	0.01427	-	-	-	-	-	-	-	-	-	-	-
			School	635097.32	3627472.29	79.74							0.00188	0.00109	0.00112	0.00112	0.00109	0.00109	-	-	-	-	-	-	-	-	-	-	-
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	IMP SR-78	Imperial/Westmoreland	MEIR	629054.74	3656301.01	3843.00	1.9400E-05	1.1148E-05	6.2701E-06	5.6900E-06	5.8947E-06	5.8709E-06	0.07455	0.04284	0.02410	0.02187	0.02265	0.02109	4.587E-05	2.636E-05	1.483E-05	1.345E-05	1.394E-05	1.298E-05					
			MEIW	628683.60	3656303.89	3086.66							0.05988	0.03441	0.01935	0.01756	0.01819	0.01694	-	-	-	-	-	-	-	-	-	-	
			Day Care	628731.34	3656427.60	697.25							0.01353	0.00777	0.00437	0.00397	0.00411	0.00383	-	-	-	-	-	-	-	-	-	-	
			School	629046.29	3656145.58	494.48							0.00959	0.00551	0.00310	0.00281	0.00291	0.00271	-	-	-	-	-	-	-	-	-	-	
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	LA I-110	Los Angeles/Carson	MEIR	380884.56	3742431.00	770.28	1.0400E-04	3.7233E-05	3.5908E-05	3.5152E-05	3.5562E-05	3.5442E-05	0.08011	0.02868	0.02766	0.02708	0.02739	0.02730	4.929E-05	1.765E-05	1.702E-05	1.666E-05	1.685E-05	1.680E-05					
			MEIW	380884.56	3742431.00	770.28							0.08011	0.02868	0.02766	0.02708	0.02739	0.02730	-	-	-	-	-	-	-	-	-		
			Day Care	381384.56	3743431.00	62.47							0.00650	0.00233	0.00224	0.00220	0.00222	0.00221	-	-	-	-	-	-	-	-	-		
			School	381084.56	3743231.00	253.69							0.02638	0.00945	0.00911	0.00892	0.00902	0.00899	-	-	-	-	-	-	-	-	-		
			Retirement Center	380584.56	3743431.00	150.49							0.01565	0.00560	0.00540	0.00529	0.00535	0.00533	-	-	-	-	-	-	-	-	-		
4	LA I-710	Los Angeles/Compton	MEIR	390082.75	3751343.00	324.27	2.2700E-04	1.1121E-04	1.1055E-04	1.0995E-04	1.1142E-04	1.1067E-04	0.07361	0.03606	0.03585	0.03565	0.03613	0.03589	4.529E-05	2.219E-05	2.206E-05	2.194E-05	2.223E-05	2.208E-05					
			MEIW	390382.75	3750843.00	185.07							0.04201	0.02058	0.01953	0.02035	0.02062	0.02048	-	-	-	-	-	-	-	-			
			Day Care	389888.48	3751448.38	123.58							0.02805	0.01374	0.01304	0.01359	0.01377	0.01368	-	-	-	-	-	-	-	-			
			School	390582.75	3751234.00	117.45							0.02666	0.01306	0.01239	0.01291	0.01309	0.01300	-	-	-	-	-	-	-	-			
			Retirement Center	391182.75	3750493.00	41.33							0.00938	0.00460	0.00436	0.00454	0.00461	0.00457	-	-	-	-	-	-	-	-			
5	LA SR-60 DB	Los Angeles/Diamond Bar	MEIR	425440.44	3765282.50	815.25	1.5100E-04	4.3987E-05	4.1162E-05	4.2065E-05	4.1360E-05	4.1596E-05	0.12310	0.03586	0.03356	0.03429	0.03372	0.03391	7.574E-05	2.206E-05	2.065E-05	2.110E-05	2.075E-05	2.086E-05					
			MEIW	425240.44	3764682.50	111.20							0.01679	0.00489	0.00458	0.00468	0.00460	0.00463	-	-	-	-	-	-	-				
			Day Care	425240.44	3764982.50	330.46							0.04990	0.01454	0.01360	0.01390	0.01367	0.01375	-	-	-	-	-	-	-				
			School	426090.44	3465182.50	101.19							0.01528	0.00445	0.00445	0.00426	0.00419	0.00421	-	-	-	-	-	-	-				
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-	-				
6	LA SR-60 SEM	Los Angeles/ South El Monte	MEIR	403299.59	3767032.25	1252.16	5.9400E-05	1.6991E-05	1.5122E-05	1.5063E-05	1.5586E-05	1.5577E-05	0.07438	0.02128	0.01894	0.01886	0.01952	0.01950	4.576E-05	1.309E-05	1.165E-05	1.160E-05	1.201E-05	1.200E-05					
			MEIW	403099.59	3767132.25	649.79							0.03860	0.01104	0.00983	0.00979	0.01013	0.01012	-	-	-	-	-	-					
			Day Care	404079.38	3767047.65	222.22							0.01356	0.00388	0.00345	0.00344	0.00356	0.00356	-	-	-	-	-	-					
			School	403699.59	3766732.25	354.35							0.02105	0.00602	0.00536	0.00534	0.00552	0.00552	-	-	-	-	-	-					
			Retirement Center	404236.48	3767117.92	123.84							0.00736	0.00210	0.00187	0.00187	0.00193	0.00193	-	-	-	-	-	-					
7	ORA I-5	Orange/ Orange	MEIR	418869.47	3737828.25	242.38	1.1800E-04	2.5537E-05	2.6222E-05	2.6167E-05	2.6622E-05	2.6572E-05	0.02860	0.00619	0.00636	0.00634	0.00645	0.00644	1.760E-05	3.808E-06	3.910E-06	3.902E-06	3.970E-06	3.962E-06					
			MEIW	419369.47	3737528.25	176.23							0.02080	0.00450	0.00462	0.00461	0.00469	0.00468	-	-	-	-	-						
			Day Care	419719.47	3738828.25	15.28							0.00180	0.00039	0.00040	0.00040	0.00041	0.00041	-	-	-	-	-						
			School	419969.47	3738578.25	13.88							0.00164	0.00035	0.00036	0.00036	0.00037	0.00037	-	-	-	-	-						
			Retirement Center	419269.47	3738228.25	58.20							0.00687	0.00149	0.00153	0.00152	0.00155	0.00155	-	-	-	-	-						
8	ORA I-405	Orange/ Seal Beach	MEIR	401657.75	3737731.50	349.88	1.4300E-04	4.0276E-05	3.9313E-05	3.8834E-05	3.9197E-05	3.9078E-05	0.05003	0.01409	0.01375	0.01359	0.01371	0.01367	3.078E-05	8.670E-06	8.463E-06	8.360E-06	8.438E-06	8.412E-06					
			MEIW	401757.75	3737731.50	345.94							0.04947	0.01393	0.01360	0.01343	0.01356	0.01352	-	-	-	-	-						
			Day Care	NR	NR	-							-	-	-	-	-	-	-	-	-	-							
			School	NR	NR	-							-	-	-	-	-	-	-	-	-	-							
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-							
9	RIV I-10	Riverside/ Banning	MEIR	509257.38	3753981.75	150.51	8.0200E-05	3.8137E-05	3.8279E-05	3.7036E-05	3.7035E-05	3.7036E-05	0.01207	0.00574	0.00576	0.00557	0.00557	0.00557	7.427E-06	3.532E-06	3.545E-06	3.430E-06	3.430E-06	3.430E-06					
			MEIW	509157.38	3753881.75	330.40							0.02650	0.01260	0.01265	0.01224	0.01224	0.01224	-	-	-	-	-						
			Day Care	510618.10	374115.08	63.68							0.00511	0.00243	0.00244	0.00236	0.00236	0.00236	-	-	-	-	-						
			School	509457.38	3754181.75	50.80							0.00407	0.00194	0.00194	0.00188	0.00188	0.00188	-	-	-	-	-						
			Retirement Center	510554.04	3754655.27	17.77							0.00143	0.00068	0.00068	0.00066	0.00066	0.00066	-	-	-	-	-						
10	RIV SR-15	Riverside/ Temecula	MEIR	486542.59	3706163.25	335.53	5.7600E-05	3.3204E-05	3.2914E-05	3.2765E-05	3.2814E-05	3.2806E-05	0.01933	0.01114	0.01104	0.01099	0.01101	0.01101	1.189E-05	6.854E-06	6.795E-06	6.764E-06	6.774E-06	6.772E-06					
			MEIW	486142.59	3706363.25	408.28							0.02352	0.01356	0.01344	0.01338	0.01340	0.01339	-	-	-	-	-						
			Day Care	487117.02	3705357.22	318.54							0.01835	0.01058	0.01048	0.01044	0.01045	0.01045	-	-	-	-	-						
			School	486819.26	3705387.37	271.95							0.01566	0.00903	0.00895	0.00891	0.00892	0.00892	-	-	-	-	-						
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-							
11	RIV SR-91	Riverside/ Corona	MEIR	438747.91	3748665.25	203.50	1.2800E-04	4.7656E-05	4.8146E-05	4.7696E-05	4.7531E-05	4.7494E-05	0.02605	0.00970	0.00980	0.00971	0.00967	0.00967	1.603E-05	5.967E-06	6.028E-06	5.972E-06	5.951E-06	5.946E-06					
			MEIW	438847.91	3748665.25	303.43							0.03884	0.01446	0.01461	0.01447	0.01442	0.01441	-	-	-	-	-						
			Day Care	NR	NR	-							-	-	-	-	-	-	-	-	-	-							
			School	NR	NR	-							-	-	-	-	-	-	-	-	-	-							
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-							
12	SB I-15 ONT	San Bernardino/Ontario	MEIR	449618.44	3770540.75	376.23	1.2400E-04	3.2136E-05	3.4127E-05	3.3212E-05	3.3447E-05	3.3245E-05	0.04665	0.01209	0.01284	0.01208	0.01258	0.01251	2.870E-05	7.439E-06	7.899E-06	7.435E-06	7.742E-06	7.695E-06					

Segment No.	Transportation Segment	County/Region	Receptor Type	Location			Maximum Concentration (ug/m3)	DPM EMISSION RATES						MAX CONCENTRATION						Retirement Home							
								Simulation 1 (2016 BY)	Simulation 2 (2045 BL)	Simulation 3 (2045 Local Input)	Simulation 4 (Plan, 2045)	Simulation 5 (2045 PEIR)	Simulation 6 (2045 Unconstrained)	Simulation 1 (2016 BY)	Simulation 2 (2045 BL)	Simulation 3 (2045 Local Input)	Simulation 4 (Plan, 2045)	Simulation 5 (2045 PEIR)	Simulation 6 (2045 Unconstrained)	Simulation 1 (2016 BY)	Simulation 2 (2045 BL)	Simulation 3 (2045 Local Input)	Simulation 4 (Plan, 2045)	Simulation 5 (2045 PEIR)	Simulation 6 (2045 Unconstrained)		
1	IMP I-8	Imperial/EI Centro	MEIR	63568.96	3627200.32	1200.00	2.3600E-05	1.3653E-05	1.4088E-05	1.4010E-05	1.3648E-05	1.3687E-05	0.02832	0.01638	0.01691	0.01681	0.01638	0.01642	-	-	-	-	-	-			
			MEIW	635402.81	3627199.07	1019.82							0.02407	0.01392	0.01437	0.01429	0.01392	0.01396	-	-	-	-	-	-	-	-	-
			Day Care	636187.59	3627222.09	1042.33							0.02460	0.01423	0.01468	0.01460	0.01423	0.01427	-	-	-	-	-	-	-	-	-
			School	635097.32	3627472.29	79.74							0.00188	0.00109	0.00112	0.00112	0.00109	0.00109	-	-	-	-	-	-	-	-	-
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	IMP SR-78	Imperial/Westmoreland	MEIR	629054.74	3656301.01	3843.00	1.9400E-05	1.1148E-05	6.2701E-06	5.6900E-06	5.8947E-06	5.8709E-06	0.07455	0.04284	0.02410	0.02187	0.02265	0.02109	-	-	-	-	-	-			
			MEIW	628683.60	3656303.89	3086.66							0.05988	0.03441	0.01935	0.01756	0.01819	0.01694	-	-	-	-	-	-	-	-	
			Day Care	628731.34	3656427.60	697.25							0.01353	0.00777	0.00437	0.00397	0.00411	0.00383	-	-	-	-	-	-	-	-	
			School	629046.29	3656145.58	494.48							0.00959	0.00551	0.00310	0.00281	0.00291	0.00271	-	-	-	-	-	-	-	-	
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	LA I-110	Los Angeles/Carson	MEIR	380884.56	3742431.00	770.28	1.0400E-04	3.7233E-05	3.5908E-05	3.5152E-05	3.5562E-05	3.5442E-05	0.08011	0.02868	0.02766	0.02708	0.02739	0.02730	-	-	-	-	-	-			
			MEIW	380884.56	3742431.00	770.28							0.08011	0.02868	0.02766	0.02708	0.02739	0.02730	-	-	-	-	-	-	-		
			Day Care	381384.56	3743431.00	62.47							0.00650	0.00233	0.00224	0.00220	0.00222	0.00221	-	-	-	-	-	-	-		
			School	381084.56	3743231.00	253.69							0.02638	0.00945	0.00911	0.00892	0.00902	0.00899	-	-	-	-	-	-	-		
			Retirement Center	380584.56	3743431.00	150.49							0.01565	0.00560	0.00540	0.00529	0.00535	0.00533	2.140E-06	7.660E-07	7.388E-07	7.232E-07	7.317E-07	7.292E-07			
4	LA I-710	Los Angeles/Compton	MEIR	390082.75	3751343.00	324.27	2.2700E-04	1.1121E-04	1.1055E-04	1.0995E-04	1.1142E-04	1.1067E-04	0.07361	0.03606	0.03585	0.03565	0.03613	0.03589	-	-	-	-	-				
			MEIW	390382.75	3750843.00	185.07							0.04201	0.02058	0.01953	0.02035	0.02062	0.02048	-	-	-	-	-	-			
			Day Care	389888.48	3751448.38	123.58							0.02805	0.01374	0.01304	0.01359	0.01377	0.01368	-	-	-	-	-	-			
			School	390582.75	3751243.00	117.45							0.02666	0.01306	0.01239	0.01291	0.01309	0.01300	-	-	-	-	-	-			
			Retirement Center	391182.75	3750493.00	41.33							0.00938	0.00460	0.00436	0.00454	0.00461	0.00457	1.283E-06	6.284E-07	5.961E-07	6.213E-07	6.296E-07	6.254E-07			
5	LA SR-60 DB	Los Angeles/Diamond Bar	MEIR	425440.44	3765282.50	815.25	1.5100E-04	4.3987E-05	4.1162E-05	4.2065E-05	4.1360E-05	4.1596E-05	0.12310	0.03586	0.03356	0.03429	0.03372	0.03391	-	-	-	-					
			MEIW	425240.44	3764682.50	111.20							0.01679	0.00489	0.00458	0.00468	0.00460	0.00463	-	-	-	-	-				
			Day Care	425240.44	3764982.50	330.46							0.04990	0.01454	0.01360	0.01390	0.01367	0.01375	-	-	-	-	-				
			School	426090.44	3465182.50	101.19							0.01528	0.00445	0.00445	0.00426	0.00419	0.00421	-	-	-	-	-				
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-	-			
6	LA SR-60 SEM	Los Angeles/ South El Monte	MEIR	403299.59	3767032.25	1252.16	5.9400E-05	1.6991E-05	1.5122E-05	1.5063E-05	1.5586E-05	1.5577E-05	0.07438	0.02128	0.01894	0.01886	0.01952	0.01950	-	-	-	-					
			MEIW	403099.59	3767132.25	649.79							0.03860	0.01104	0.00983	0.00979	0.01013	0.01012	-	-	-	-	-				
			Day Care	404079.38	3767047.65	228.22							0.01356	0.00388	0.00345	0.00344	0.00356	0.00356	-	-	-	-	-				
			School	403699.59	3766732.25	354.35							0.02105	0.00602	0.00536	0.00534	0.00552	0.00552	-	-	-	-	-				
			Retirement Center	404236.48	3767117.92	123.84							0.00736	0.00210	0.00187	0.00187	0.00193	0.00193	1.006E-06	2.877E-07	2.560E-07	2.550E-07	2.639E-07	2.637E-07			
7	ORA I-5	Orange/ Orange	MEIR	418869.47	3737828.25	242.38	1.1800E-04	2.5537E-05	2.6222E-05	2.6167E-05	2.6622E-05	2.6572E-05	0.02860	0.00619	0.00636	0.00634	0.00645	0.00644	-	-	-	-					
			MEIW	419369.47	3737528.25	176.23							0.02080	0.00450	0.00462	0.00461	0.00469	0.00468	-	-	-	-	-				
			Day Care	419719.47	3738828.25	15.28							0.00180	0.00039	0.00040	0.00040	0.00041	0.00041	-	-	-	-	-				
			School	419969.47	3738578.25	13.88							0.00164	0.00035	0.00036	0.00036	0.00037	0.00037	-	-	-	-	-				
			Retirement Center	419269.47	3738228.25	58.20							0.00687	0.00149	0.00153	0.00152	0.00155	0.00155	9.390E-06	2.032E-06	2.087E-06	2.082E-06	2.118E-06	2.114E-06			
8	ORA I-405	Orange/ Seal Beach	MEIR	401657.75	3737731.50	349.88	1.4300E-04	4.0276E-05	3.9313E-05	3.8834E-05	3.9197E-05	3.9078E-05	0.05003	0.01409	0.01375	0.01359	0.01371	0.01367	-	-	-	-					
			MEIW	401757.75	3737731.50	345.94							0.04947	0.01393	0.01360	0.01343	0.01356	0.01352	-	-	-	-	-				
			Day Care	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-				
			School	NR	NR	-							-	-	-	-	-	-	-	-	-	-					
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-				
9	RIV I-10	Riverside/ Banning	MEIR	509257.38	3753981.75	150.51	8.0200E-05	3.8137E-05	3.8279E-05	3.7036E-05	3.7035E-05	3.7036E-05	0.01207	0.00574	0.00576	0.00557	0.00557	0.00557	-	-	-	-					
			MEIW	509157.38	3753881.75	330.40							0.02650	0.01260	0.01265	0.01224	0.01224	0.01224	-	-	-	-	-				
			Day Care	510618.10	374115.08	63.68							0.00511	0.00243	0.00244	0.00236	0.00236	0.00236	-	-	-	-	-				
			School	509457.38	3754181.75	50.80							0.00407	0.00194	0.00194	0.00188	0.00188	0.00188	-	-	-	-	-				
			Retirement Center	510554.04	3754655.27	17.77							0.00143	0.00068	0.00068	0.00066	0.00066	0.00066	1.949E-07	9.267E-08	9.301E-08	8.999E-08	8.999E-08	8.999E-08			
10	RIV SR-15	Riverside/ Temecula	MEIR	486542.59	3706163.25	335.53	5.7600E-05	3.3204E-05	3.2914E-05	3.2765E-05	3.2814E-05	3.2806E-05	0.01933	0.01114	0.01104	0.01099	0.01101	0.01101	-	-	-	-					
			MEIW	486142.59	3706363.25	408.28							0.02352	0.01356	0.01344	0.01338	0.01340	0.01339	-	-	-	-	-				
			Day Care	487117.02	3705357.22	318.54							0.01835	0.01058	0.01048	0.01044	0.01045	0.01045	-	-	-	-	-				
			School	486819.26	3705387.37	271.95							0.01566	0.00903	0.00895	0.00891	0.00892	0.00892	-	-	-	-	-				
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-	-				
11	RIV SR-91	Riverside/ Corona	MEIR	438747.91	3748665.25	203.50	1.2800E-04	4.7656E-05	4.8146E-05	4.7696E-05	4.7531E-05	4.7494E-05	0.02605	0.00970	0.00980	0.00971	0.00967	0.00967	-	-	-	-					
			MEIW	438847.91	3748665.25	303.43							0.03884	0.01446	0.01461	0.01447	0.01442	0.01441	-	-	-	-	-				
			Day Care	NR	NR	-							-	-	-	-	-	-	-	-	-	-					
			School	NR	NR	-							-	-	-	-	-	-	-	-	-	-					
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-					
12	SB I-15 ONT	San Bernardino/Ontario	MEIR	449618.44	3770540.75	376.23	1.2400E-04	3.2136E-05	3.4127E-05	3.3212E-05	3.3447E-05	3.3245E-05	0.04665	0.01209	0.01284	0.01208	0.01258	0.01251	-	-	-	-					
			MEIW	449818.44	3770540.75	466.39							0.05783	0.01499	0.01592	0.01498	0.01560	0.01551	-	-	-	-	-				
			Day Care	NR	NR	-							-	-	-	-	-	-	-	-	-	-					
			School	NR	NR	-							-	-	-	-	-	-	-	-	-	-					
			Retirement Center	NR	NR	-							-	-	-	-	-	-	-	-	-	-					
13	SB I-15 VIC	San Bernardino/ Victorville	MEIR	469450.06	3816328.75	522.26	2.4300E-04	8.9704E-05	8.9911E-05	9.1220E-05	9.0542E-05	9.0466E-05	0.12691	0.04685	0.04696	0.04764	0.04729	0.04725	-	-	-	-					
			MEIW	469604.55	3816979.27	276.14							0.06710	0.02477	0.02483	0.02519	0.02500	0.02498	-	-	-	-					
			Day Care	469150.06	381																						

Attachment C
AERMOD Output Files

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 1, IMP i-8\Segment 1, IMP i-8.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 1, IMP i-8\Segment 1, IMP i-8.isc
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 1, IMP i-8.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 47.00
** Configuration = Adjacent
** Emission Rate = 35.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 2
** 635209.920, 3627139.850, -10.06, 2.00, 21.86
** 636843.850, 3627147.920, -10.90, 2.00, 21.86
** -----
  LOCATION L000001      VOLUME   635233.420 3627139.966 -10.07
  LOCATION L000002      VOLUME   635280.419 3627140.198 -10.10

```

LOCATION	L0000003	VOLUME	635327.419	3627140.430	-10.12
LOCATION	L0000004	VOLUME	635374.418	3627140.662	-10.14
LOCATION	L0000005	VOLUME	635421.417	3627140.895	-10.17
LOCATION	L0000006	VOLUME	635468.417	3627141.127	-10.19
LOCATION	L0000007	VOLUME	635515.416	3627141.359	-10.22
LOCATION	L0000008	VOLUME	635562.416	3627141.591	-10.24
LOCATION	L0000009	VOLUME	635609.415	3627141.823	-10.27
LOCATION	L0000010	VOLUME	635656.415	3627142.055	-10.29
LOCATION	L0000011	VOLUME	635703.414	3627142.287	-10.31
LOCATION	L0000012	VOLUME	635750.413	3627142.520	-10.34
LOCATION	L0000013	VOLUME	635797.413	3627142.752	-10.36
LOCATION	L0000014	VOLUME	635844.412	3627142.984	-10.39
LOCATION	L0000015	VOLUME	635891.412	3627143.216	-10.41
LOCATION	L0000016	VOLUME	635938.411	3627143.448	-10.43
LOCATION	L0000017	VOLUME	635985.411	3627143.680	-10.46
LOCATION	L0000018	VOLUME	636032.410	3627143.912	-10.48
LOCATION	L0000019	VOLUME	636079.409	3627144.144	-10.51
LOCATION	L0000020	VOLUME	636126.409	3627144.377	-10.53
LOCATION	L0000021	VOLUME	636173.408	3627144.609	-10.56
LOCATION	L0000022	VOLUME	636220.408	3627144.841	-10.58
LOCATION	L0000023	VOLUME	636267.407	3627145.073	-10.60
LOCATION	L0000024	VOLUME	636314.407	3627145.305	-10.63
LOCATION	L0000025	VOLUME	636361.406	3627145.537	-10.65
LOCATION	L0000026	VOLUME	636408.405	3627145.769	-10.68
LOCATION	L0000027	VOLUME	636455.405	3627146.001	-10.70
LOCATION	L0000028	VOLUME	636502.404	3627146.234	-10.72
LOCATION	L0000029	VOLUME	636549.404	3627146.466	-10.75
LOCATION	L0000030	VOLUME	636596.403	3627146.698	-10.77
LOCATION	L0000031	VOLUME	636643.403	3627146.930	-10.80
LOCATION	L0000032	VOLUME	636690.402	3627147.162	-10.82
LOCATION	L0000033	VOLUME	636737.401	3627147.394	-10.85
LOCATION	L0000034	VOLUME	636784.401	3627147.626	-10.87
LOCATION	L0000035	VOLUME	636831.400	3627147.859	-10.89

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0000001	1.0	2.00	21.86	0.93
SRCPARAM	L0000002	1.0	2.00	21.86	0.93
SRCPARAM	L0000003	1.0	2.00	21.86	0.93
SRCPARAM	L0000004	1.0	2.00	21.86	0.93
SRCPARAM	L0000005	1.0	2.00	21.86	0.93
SRCPARAM	L0000006	1.0	2.00	21.86	0.93
SRCPARAM	L0000007	1.0	2.00	21.86	0.93
SRCPARAM	L0000008	1.0	2.00	21.86	0.93
SRCPARAM	L0000009	1.0	2.00	21.86	0.93
SRCPARAM	L0000010	1.0	2.00	21.86	0.93
SRCPARAM	L0000011	1.0	2.00	21.86	0.93
SRCPARAM	L0000012	1.0	2.00	21.86	0.93
SRCPARAM	L0000013	1.0	2.00	21.86	0.93
SRCPARAM	L0000014	1.0	2.00	21.86	0.93

SRCPARAM L0000015	1.0	2.00	21.86	0.93
SRCPARAM L0000016	1.0	2.00	21.86	0.93
SRCPARAM L0000017	1.0	2.00	21.86	0.93
SRCPARAM L0000018	1.0	2.00	21.86	0.93
SRCPARAM L0000019	1.0	2.00	21.86	0.93
SRCPARAM L0000020	1.0	2.00	21.86	0.93
SRCPARAM L0000021	1.0	2.00	21.86	0.93
SRCPARAM L0000022	1.0	2.00	21.86	0.93
SRCPARAM L0000023	1.0	2.00	21.86	0.93
SRCPARAM L0000024	1.0	2.00	21.86	0.93
SRCPARAM L0000025	1.0	2.00	21.86	0.93
SRCPARAM L0000026	1.0	2.00	21.86	0.93
SRCPARAM L0000027	1.0	2.00	21.86	0.93
SRCPARAM L0000028	1.0	2.00	21.86	0.93
SRCPARAM L0000029	1.0	2.00	21.86	0.93
SRCPARAM L0000030	1.0	2.00	21.86	0.93
SRCPARAM L0000031	1.0	2.00	21.86	0.93
SRCPARAM L0000032	1.0	2.00	21.86	0.93
SRCPARAM L0000033	1.0	2.00	21.86	0.93
SRCPARAM L0000034	1.0	2.00	21.86	0.93
SRCPARAM L0000035	1.0	2.00	21.86	0.93

** -----

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 1, IMP i-8.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\kheck\Desktop\MET Data\Imperial County Airport\747185.SFC"

PROFFILE "C:\Users\kheck\Desktop\MET Data\Imperial County Airport\747185.PFL"

SURFDATA 3144 2009

UAIRDATA 3190 2009

PROFBASE -17.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "Segment 1, IMP i-8.AD\01H1GALL.PLT" 31
PLOTFILE ANNUAL ALL "Segment 1, IMP i-8.AD\AN00GALL.PLT" 32
SUMMFILE "Segment 1, IMP i-8.sum"
OU FINISHED

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

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W340 145 PRBASE: Possible Error in PROFBASE Input: Value is < 0
PROFBASE

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 1, IMP
i-8\Segment 1, IMP i-8.isc *** 10/28/19
*** AERMET - VERSION 14134 *** ***
 *** 08:24:31

PAGE 1
*** MODELOPTs: RegDFault CONC ELEV RURAL

*** 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 RURAL Dispersion Only.

**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.

**Other Options Specified:
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages

**This Run Includes: 35 Source(s); 1 Source Group(s); and 153
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 35 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:
Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
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

L0000005	0	0.10000E+01	635421.4	3627140.9	-10.2	2.00	21.86
0.93 NO							
L0000006	0	0.10000E+01	635468.4	3627141.1	-10.2	2.00	21.86
0.93 NO							
L0000007	0	0.10000E+01	635515.4	3627141.4	-10.2	2.00	21.86
0.93 NO							
L0000008	0	0.10000E+01	635562.4	3627141.6	-10.2	2.00	21.86
0.93 NO							
L0000009	0	0.10000E+01	635609.4	3627141.8	-10.3	2.00	21.86
0.93 NO							
L0000010	0	0.10000E+01	635656.4	3627142.1	-10.3	2.00	21.86
0.93 NO							
L0000011	0	0.10000E+01	635703.4	3627142.3	-10.3	2.00	21.86
0.93 NO							
L0000012	0	0.10000E+01	635750.4	3627142.5	-10.3	2.00	21.86
0.93 NO							
L0000013	0	0.10000E+01	635797.4	3627142.8	-10.4	2.00	21.86
0.93 NO							
L0000014	0	0.10000E+01	635844.4	3627143.0	-10.4	2.00	21.86
0.93 NO							
L0000015	0	0.10000E+01	635891.4	3627143.2	-10.4	2.00	21.86
0.93 NO							
L0000016	0	0.10000E+01	635938.4	3627143.4	-10.4	2.00	21.86
0.93 NO							
L0000017	0	0.10000E+01	635985.4	3627143.7	-10.5	2.00	21.86
0.93 NO							
L0000018	0	0.10000E+01	636032.4	3627143.9	-10.5	2.00	21.86
0.93 NO							
L0000019	0	0.10000E+01	636079.4	3627144.1	-10.5	2.00	21.86
0.93 NO							
L0000020	0	0.10000E+01	636126.4	3627144.4	-10.5	2.00	21.86
0.93 NO							
L0000021	0	0.10000E+01	636173.4	3627144.6	-10.6	2.00	21.86
0.93 NO							
L0000022	0	0.10000E+01	636220.4	3627144.8	-10.6	2.00	21.86
0.93 NO							
L0000023	0	0.10000E+01	636267.4	3627145.1	-10.6	2.00	21.86
0.93 NO							
L0000024	0	0.10000E+01	636314.4	3627145.3	-10.6	2.00	21.86
0.93 NO							
L0000025	0	0.10000E+01	636361.4	3627145.5	-10.7	2.00	21.86
0.93 NO							
L0000026	0	0.10000E+01	636408.4	3627145.8	-10.7	2.00	21.86
0.93 NO							
L0000027	0	0.10000E+01	636455.4	3627146.0	-10.7	2.00	21.86
0.93 NO							
L0000028	0	0.10000E+01	636502.4	3627146.2	-10.7	2.00	21.86
0.93 NO							
L0000029	0	0.10000E+01	636549.4	3627146.5	-10.8	2.00	21.86
0.93 NO							

L0000030	0	0.10000E+01	636596.4	3627146.7	-10.8	2.00	21.86
0.93 NO							
L0000031	0	0.10000E+01	636643.4	3627146.9	-10.8	2.00	21.86
0.93 NO							
L0000032	0	0.10000E+01	636690.4	3627147.2	-10.8	2.00	21.86
0.93 NO							
L0000033	0	0.10000E+01	636737.4	3627147.4	-10.9	2.00	21.86
0.93 NO							
L0000034	0	0.10000E+01	636784.4	3627147.6	-10.9	2.00	21.86
0.93 NO							
L0000035	0	0.10000E+01	636831.4	3627147.9	-10.9	2.00	21.86
0.93 NO							

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 1, IMP
 i-8\Segment 1, IMP i-8.isc *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006	, L0000007 , L0000008 ,
L0000014	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
	, L0000015 , L0000016 ,
L0000022	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
	, L0000023 , L0000024 ,
L0000030	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
	, L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 ,

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 1, IMP
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 *** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(635566.0, 3626645.0, -9.8, -9.8, 0.0); (635566.0,
3626745.0, -9.8, -9.8, 0.0);
(635566.0, 3626845.0, -9.8, -9.8, 0.0); (635566.0,
3626945.0, -10.0, -10.0, 0.0);
(635566.0, 3627045.0, -10.3, -10.3, 0.0); (635566.0,
3627245.0, -10.4, -10.4, 0.0);
(635566.0, 3627345.0, -10.7, -10.7, 0.0); (635566.0,
3627445.0, -10.7, -10.7, 0.0);
(635566.0, 3627545.0, -11.0, -11.0, 0.0); (635566.0,
3627645.0, -11.0, -11.0, 0.0);
(635666.0, 3626645.0, -9.8, -9.8, 0.0); (635666.0,
3626745.0, -9.8, -9.8, 0.0);
(635666.0, 3626845.0, -9.8, -9.8, 0.0); (635666.0,
3626945.0, -10.0, -10.0, 0.0);
(635666.0, 3627045.0, -10.2, -10.2, 0.0); (635666.0,
3627245.0, -10.7, -10.7, 0.0);
(635666.0, 3627345.0, -10.7, -10.7, 0.0); (635666.0,
3627445.0, -11.0, -11.0, 0.0);
(635666.0, 3627545.0, -11.0, -11.0, 0.0); (635666.0,
3627645.0, -11.1, -11.1, 0.0);
(635766.0, 3626645.0, -9.8, -9.8, 0.0); (635766.0,
3626745.0, -9.8, -9.8, 0.0);
(635766.0, 3626845.0, -10.1, -10.1, 0.0); (635766.0,
3627245.0, -10.7, -10.7, 0.0);
(635766.0, 3627345.0, -10.7, -10.7, 0.0); (635766.0,
3627445.0, -11.0, -11.0, 0.0);
(635766.0, 3627545.0, -11.0, -11.0, 0.0); (635766.0,
3627645.0, -11.3, -11.3, 0.0);
(635866.0, 3626645.0, -9.7, -9.7, 0.0); (635866.0,
3626745.0, -10.1, -10.1, 0.0);
(635866.0, 3626845.0, -10.1, -10.1, 0.0); (635866.0,
3627345.0, -11.0, -11.0, 0.0);
(635866.0, 3627445.0, -11.0, -11.0, 0.0); (635866.0,
3627545.0, -11.2, -11.2, 0.0);
(635866.0, 3627645.0, -11.3, -11.3, 0.0); (635966.0,
3626645.0, -9.7, -9.7, 0.0);
(635966.0, 3626745.0, -10.1, -10.1, 0.0); (635966.0,
3626845.0, -10.1, -10.1, 0.0);
(635966.0, 3626945.0, -10.4, -10.4, 0.0); (635966.0,
3627045.0, -10.4, -10.4, 0.0);
(635966.0, 3627345.0, -11.0, -11.0, 0.0); (635966.0,
3627445.0, -11.0, -11.0, 0.0);
(635966.0, 3627545.0, -11.3, -11.3, 0.0); (635966.0,
3627645.0, -11.3, -11.3, 0.0);
(636066.0, 3626945.0, -10.4, -10.4, 0.0); (636066.0,
3627045.0, -10.6, -10.6, 0.0);
(636066.0, 3627345.0, -11.0, -11.0, 0.0); (636066.0,

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3627445.0,   -11.1,   -11.1,   0.0);
  ( 636066.0, 3627545.0,   -11.3,   -11.3,   0.0);      ( 636066.0,
3627645.0,   -11.5,   -11.5,   0.0);
  ( 636166.0, 3626945.0,   -10.4,   -10.4,   0.0);      ( 636166.0,
3627245.0,   -11.0,   -11.0,   0.0);
  ( 636166.0, 3627345.0,   -11.0,   -11.0,   0.0);      ( 636166.0,
3627445.0,   -11.3,   -11.3,   0.0);
  ( 636166.0, 3627545.0,   -11.3,   -11.3,   0.0);      ( 636166.0,
3627645.0,   -11.3,   -11.3,   0.0);
  ( 636266.0, 3626945.0,   -10.1,   -10.1,   0.0);      ( 636266.0,
3627245.0,   -10.9,   -10.9,   0.0);
  ( 636266.0, 3627345.0,   -11.0,   -11.0,   0.0);      ( 636266.0,
3627445.0,   -11.3,   -11.3,   0.0);
  ( 636266.0, 3627545.0,   -11.3,   -11.3,   0.0);      ( 636266.0,
3627645.0,   -11.3,   -11.3,   0.0);
  ( 636366.0, 3626945.0,   -9.9,   -9.9,   0.0);      ( 636366.0,
3627245.0,   -10.7,   -10.7,   0.0);
  ( 636366.0, 3627345.0,   -11.2,   -11.2,   0.0);      ( 636366.0,
3627445.0,   -11.3,   -11.3,   0.0);
  ( 636366.0, 3627545.0,   -11.3,   -11.3,   0.0);      ( 636366.0,
3627645.0,   -11.6,   -11.6,   0.0);
  ( 636466.0, 3626645.0,   -9.8,   -9.8,   0.0);      ( 636466.0,
3626745.0,   -9.8,   -9.8,   0.0);
  ( 636466.0, 3626845.0,   -9.8,   -9.8,   0.0);      ( 636466.0,
3626945.0,   -9.8,   -9.8,   0.0);
  ( 636466.0, 3627245.0,   -10.9,   -10.9,   0.0);      ( 636466.0,
3627345.0,   -11.3,   -11.3,   0.0);
  ( 636466.0, 3627445.0,   -11.3,   -11.3,   0.0);      ( 636466.0,
3627545.0,   -11.6,   -11.6,   0.0);
  ( 636466.0, 3627645.0,   -11.6,   -11.6,   0.0);      ( 636566.0,
3626645.0,   -9.8,   -9.8,   0.0);
  ( 636566.0, 3626745.0,   -9.8,   -9.8,   0.0);      ( 636566.0,
3626845.0,   -9.8,   -9.8,   0.0);
  ( 636566.0, 3626945.0,   -9.9,   -9.9,   0.0);      ( 636566.0,
3627245.0,   -10.9,   -10.9,   0.0);
  ( 636566.0, 3627345.0,   -11.3,   -11.3,   0.0);      ( 636566.0,
3627445.0,   -11.3,   -11.3,   0.0);
  ( 636566.0, 3627545.0,   -11.6,   -11.6,   0.0);      ( 636566.0,
3627645.0,   -11.6,   -11.6,   0.0);
  ( 635566.0, 3627895.0,   -11.3,   -11.3,   0.0);      ( 635566.0,
3628145.0,   -11.9,   -11.9,   0.0);
  ( 635816.0, 3627895.0,   -11.6,   -11.6,   0.0);      ( 635816.0,
3628145.0,   -12.2,   -12.2,   0.0);

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^ *** AERMOD - VERSION 18081 ***      *** C:\Lakes\AERMOD View\Segment 1, IMP
i-8\Segment 1, IMP i-8.isc      ***      10/28/19
*** AERMET - VERSION 14134 ***      ***
***      08:24:31

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

(636066.0, 3627895.0, -11.5, -11.5, 0.0);	(636066.0,
3628145.0, -11.3, -11.3, 0.0);	
(636316.0, 3627895.0, -11.6, -11.6, 0.0);	(636316.0,
3628145.0, -12.4, -12.4, 0.0);	
(636566.0, 3627895.0, -12.0, -12.0, 0.0);	(636566.0,
3628145.0, -12.5, -12.5, 0.0);	
(636816.0, 3627895.0, -12.2, -12.2, 0.0);	(636816.0,
3628145.0, -12.5, -12.5, 0.0);	
(637066.0, 3627895.0, -12.2, -12.2, 0.0);	(637066.0,
3628145.0, -12.5, -12.5, 0.0);	
(636816.0, 3627645.0, -11.9, -11.9, 0.0);	(636816.0,
3627395.0, -11.3, -11.3, 0.0);	
(636816.0, 3626895.0, -10.4, -10.4, 0.0);	(636816.0,
3626645.0, -10.1, -10.1, 0.0);	
(636816.0, 3626145.0, -8.2, -8.2, 0.0);	(637066.0,
3627645.0, -11.9, -11.9, 0.0);	
(637066.0, 3627395.0, -11.3, -11.3, 0.0);	(637066.0,
3626895.0, -10.4, -10.4, 0.0);	
(637066.0, 3626645.0, -10.1, -10.1, 0.0);	(637066.0,
3626145.0, -8.8, -8.8, 0.0);	
(636566.0, 3626145.0, -8.8, -8.8, 0.0);	(636316.0,
3626145.0, -9.1, -9.1, 0.0);	
(636066.0, 3626145.0, -8.8, -8.8, 0.0);	(635816.0,
3626145.0, -8.8, -8.8, 0.0);	
(635566.0, 3626395.0, -9.2, -9.2, 0.0);	(635566.0,
3626145.0, -8.6, -8.6, 0.0);	
(635316.0, 3626395.0, -9.1, -9.1, 0.0);	(635316.0,
3626145.0, -8.5, -8.5, 0.0);	
(635066.0, 3626395.0, -8.8, -8.8, 0.0);	(635066.0,
3626145.0, -8.5, -8.5, 0.0);	
(635316.0, 3626645.0, -9.5, -9.5, 0.0);	(635316.0,
3626895.0, -9.8, -9.8, 0.0);	
(635316.0, 3627145.0, -10.1, -10.1, 0.0);	(635316.0,
3627395.0, -10.4, -10.4, 0.0);	
(635316.0, 3627645.0, -10.7, -10.7, 0.0);	(635316.0,
3627895.0, -11.1, -11.1, 0.0);	
(635316.0, 3628145.0, -11.6, -11.6, 0.0);	(635066.0,
3626645.0, -9.2, -9.2, 0.0);	
(635066.0, 3626895.0, -9.8, -9.8, 0.0);	(635066.0,
3627395.0, -10.3, -10.3, 0.0);	
(635066.0, 3627645.0, -10.7, -10.7, 0.0);	(635066.0,
3627895.0, -11.0, -11.0, 0.0);	
(635066.0, 3628145.0, -11.5, -11.5, 0.0);	(635569.0,
3627200.3, -10.4, -10.4, 0.0);	
(635477.7, 3627201.0, -10.4, -10.4, 0.0);	(635402.8,

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3627199.1,   -10.4,   -10.4,   0.0);
  ( 635353.4, 3627198.8,   -10.4,   -10.4,   0.0);      ( 635285.1,
3627187.3,   -10.2,   -10.2,   0.0);
  ( 635221.6, 3627193.0,   -10.1,   -10.1,   0.0);      ( 635097.3,
3627472.3,   -10.4,   -10.4,   0.0);
  ( 636103.8, 3627230.1,   -10.8,   -10.8,   0.0);      ( 636132.1,
3627216.2,   -10.9,   -10.9,   0.0);
  ( 636170.4, 3627217.7,   -10.9,   -10.9,   0.0);      ( 636187.6,
3627222.1,   -10.9,   -10.9,   0.0);
  ( 636203.0, 3627221.9,   -10.9,   -10.9,   0.0);      ( 636238.0,
3627225.0,   -10.8,   -10.8,   0.0);
  ( 636270.2, 3627222.6,   -10.7,   -10.7,   0.0);      ( 636297.1,
3627224.4,   -10.7,   -10.7,   0.0);
  ( 636333.5, 3627223.3,   -10.7,   -10.7,   0.0);      ( 635203.4,
3627164.6,   -10.1,   -10.1,   0.0);
  ( 635206.6, 3627123.3,   -10.1,   -10.1,   0.0);      ( 636845.7,
3627126.5,   -10.9,   -10.9,   0.0);
  ( 636845.7, 3627177.3,   -11.0,   -11.0,   0.0);

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^ *** AERMOD - VERSION 18081 ***      *** C:\Lakes\AERMOD View\Segment 1, IMP
i-8\Segment 1, IMP i-8.isc          ***      10/28/19
*** AERMET - VERSION 14134 ***      ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
-8.16	L000001	635203.4	3627164.6
-15.37	L000001	635206.6	3627123.3
-11.10	L000002	635316.0	3627145.0
0.33	L000002	635285.1	3627187.3
-34.70	L000003	635316.0	3627145.0

09	01	01	1	15	60.4	-9.000	-9.000	-9.000	484.	-999.	-99999.0	0.20	0.79
0.25	0.00	0.	10.0	294.9	2.0								
09	01	01	1	16	13.9	-9.000	-9.000	-9.000	501.	-999.	-99999.0	0.20	0.79
0.35	0.00	0.	10.0	294.2	2.0								
09	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.20	0.79
0.66	0.00	0.	10.0	293.1	2.0								
09	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.20	0.79
1.00	0.00	0.	10.0	289.2	2.0								
09	01	01	1	19	-8.9	0.104	-9.000	-9.000	-999.	80.	11.4	0.34	0.79
1.00	1.76	14.	10.0	287.5	2.0								
09	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.20	0.79
1.00	0.00	0.	10.0	286.4	2.0								
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.20	0.79
1.00	0.00	0.	10.0	284.2	2.0								
09	01	01	1	22	-11.4	0.110	-9.000	-9.000	-999.	88.	10.7	0.14	0.79
1.00	2.36	292.	10.0	281.4	2.0								
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.20	0.79
1.00	0.00	0.	10.0	282.5	2.0								
09	01	01	1	24	-11.4	0.110	-9.000	-9.000	-999.	88.	10.7	0.14	0.79
1.00	2.36	250.	10.0	280.9	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	261.	1.76	280.4	99.0	-99.00	-99.00

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

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 1, IMP
 i-8\Segment 1, IMP i-8.isc *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 08:24:31

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*** MODELOPTs: RegDFault CONC ELEV RURAL

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

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
635566.00	3626645.00	36.94751	635566.00
3626745.00	50.96286		
635566.00	3626845.00	76.49975	635566.00
3626945.00	135.38861		
635566.00	3627045.00	363.33435	635566.00
3627245.00	638.51571		
635566.00	3627345.00	268.28043	635566.00
3627445.00	159.09467		
635566.00	3627545.00	110.57596	635566.00
3627645.00	83.48795		
635666.00	3626645.00	40.25829	635666.00
3626745.00	55.64975		
635666.00	3626845.00	84.03642	635666.00
3626945.00	153.02140		
635666.00	3627045.00	395.88358	635666.00
3627245.00	692.75668		
635666.00	3627345.00	305.35689	635666.00
3627445.00	177.45690		
635666.00	3627545.00	121.21230	635666.00
3627645.00	89.58731		
635766.00	3626645.00	43.18803	635766.00
3626745.00	59.81437		
635766.00	3626845.00	91.71824	635766.00
3627245.00	734.47593		
635766.00	3627345.00	337.60895	635766.00
3627445.00	195.93480		
635766.00	3627545.00	131.69132	635766.00
3627645.00	95.79920		
635866.00	3626645.00	45.77657	635866.00
3626745.00	63.79807		
635866.00	3626845.00	99.55202	635866.00
3627345.00	362.77964		
635866.00	3627445.00	213.52896	635866.00
3627545.00	141.52931		
635866.00	3627645.00	101.88283	635966.00
3626645.00	48.09825		
635966.00	3626745.00	67.91853	635966.00
3626845.00	106.90122		
635966.00	3626945.00	192.00029	635966.00
3627045.00	446.88817		
635966.00	3627345.00	383.75071	635966.00
3627445.00	229.32300		
635966.00	3627545.00	150.92503	635966.00
3627645.00	107.58869		

636066.00	3626945.00	200.09419	636066.00
3627045.00	454.59162		
636066.00	3627345.00	400.11925	636066.00
3627445.00	242.43154		
636066.00	3627545.00	159.59866	636066.00
3627645.00	112.82779		
636166.00	3626945.00	206.25482	636166.00
3627245.00	818.46494		
636166.00	3627345.00	412.53176	636166.00
3627445.00	252.38644		
636166.00	3627545.00	167.15156	636166.00
3627645.00	117.87271		
636266.00	3626945.00	210.65984	636266.00
3627245.00	832.09752		
636266.00	3627345.00	421.22545	636266.00
3627445.00	259.72365		
636266.00	3627545.00	173.23347	636266.00
3627645.00	121.67668		
636366.00	3626945.00	213.39125	636366.00
3627245.00	842.94959		
636366.00	3627345.00	424.68785	636366.00
3627445.00	264.05111		
636366.00	3627545.00	177.11425	636366.00
3627645.00	123.90354		
636466.00	3626645.00	59.84103	636466.00
3626745.00	84.99296		
636466.00	3626845.00	128.15409	636466.00
3626945.00	214.50862		
636466.00	3627245.00	844.42757	636466.00
3627345.00	424.51444		
636466.00	3627445.00	264.89498	636466.00
3627545.00	177.75217		
636466.00	3627645.00	124.71338	636566.00
3626645.00	61.46936		
636566.00	3626745.00	86.65212	636566.00
3626845.00	129.35360		

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 1, IMP
 i-8\Segment 1, IMP i-8.isc *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 08:24:31

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,

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, L0000019      , L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000020      , L0000021      ,
, L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3627245.00	636566.00	3626945.00	214.07463	636566.00
3627445.00	636566.00	3627345.00	418.56556	636566.00
3627645.00	636566.00	3627545.00	175.63983	636566.00
3628145.00	635566.00	3627895.00	49.08179	635566.00
3628145.00	635816.00	3627895.00	54.05807	635816.00
3628145.00	636066.00	3627895.00	58.40396	636066.00
3628145.00	636316.00	3627895.00	60.38592	636316.00
3628145.00	636566.00	3627895.00	61.24249	636566.00
3628145.00	636816.00	3627895.00	63.22015	636816.00
3628145.00	637066.00	3627895.00	65.36043	637066.00
3627395.00	636816.00	3627645.00	122.12359	636816.00
3626645.00	636816.00	3626895.00	155.90955	636816.00
3627645.00	636816.00	3626145.00	19.79334	637066.00
3626895.00	637066.00	3627395.00	240.71653	637066.00
3626145.00	637066.00	3626645.00	58.78047	637066.00
3626145.00	636566.00	3626145.00	19.72707	636316.00
3626145.00	636066.00	3626145.00	17.48023	635816.00
	635566.00	3626395.00	20.21396	635566.00

3626145.00	13.16675			
	635316.00	3626395.00	16.04148	635316.00
3626145.00	10.85066			
	635066.00	3626395.00	12.75415	635066.00
3626145.00	9.06450			
	635316.00	3626645.00	27.37247	635316.00
3626895.00	66.39053			
	635316.00	3627145.00	624.32429	635316.00
3627395.00	139.16590			
	635316.00	3627645.00	69.90879	635316.00
3627895.00	44.54015			
	635316.00	3628145.00	31.34914	635066.00
3626645.00	19.82914			
	635066.00	3626895.00	37.39659	635066.00
3627395.00	86.94107			
	635066.00	3627645.00	56.29402	635066.00
3627895.00	39.30418			
	635066.00	3628145.00	28.72747	635568.96
3627200.32	1200.34854			
	635477.70	3627201.01	1095.60486	635402.81
3627199.07	1019.82082			
	635353.44	3627198.80	915.16335	635285.08
3627187.30	633.93175			
	635221.55	3627193.03	482.48131	635097.32
3627472.29	79.74471			
	636103.75	3627230.12	943.69674	636132.08
3627216.20	1113.10706			
	636170.35	3627217.70	1098.35870	636187.59
3627222.09	1042.32665			
	636202.98	3627221.95	1046.36000	636237.97
3627224.98	1019.41287			
	636270.25	3627222.62	1055.02312	636297.14
3627224.42	1036.09907			
	636333.51	3627223.32	1053.96730	635203.37
3627164.58	227.34336			
	635206.55	3627123.28	194.00741	636845.73
3627126.46	1003.99691			
	636845.73	3627177.29	1162.58688	

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 1, IMP
 i-8\Segment 1, IMP i-8.isc *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 08:24:31

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002

```

, L0000003      , L0000004      , L0000005      ,
                  L0000006      , L0000007      , L0000008      , L0000009      , L0000010
, L0000011      , L0000012      , L0000013      ,
                  L0000014      , L0000015      , L0000016      , L0000017      , L0000018
, L0000019      , L0000020      , L0000021      ,
                  L0000022      , L0000023      , L0000024      , L0000025      , L0000026
, L0000027      , L0000028      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
635566.00	3626645.00	2723.32057	(09010521)	635566.00
3626745.00	3222.69472	(09010521)		
635566.00	3626845.00	3934.21878	(13120807)	635566.00
3626945.00	6038.52845	(13122119)		
635566.00	3627045.00	10487.03807	(09010519)	635566.00
3627245.00	10444.60487	(09122201)		
635566.00	3627345.00	5875.95548	(11021719)	635566.00
3627445.00	4171.02368	(13122120)		
635566.00	3627545.00	3252.41541	(13011006)	635566.00
3627645.00	2673.11553	(12012105)		
635666.00	3626645.00	2660.38329	(12123122)	635666.00
3626745.00	3218.37440	(09010521)		
635666.00	3626845.00	3909.02206	(09010521)	635666.00
3626945.00	5952.95672	(13122119)		
635666.00	3627045.00	10428.98166	(09010519)	635666.00
3627245.00	10228.43251	(10122903)		
635666.00	3627345.00	5718.79693	(12022819)	635666.00
3627445.00	4097.74886	(13022218)		
635666.00	3627545.00	3209.32149	(11022721)	635666.00
3627645.00	2620.72391	(10020502)		
635766.00	3626645.00	2467.13981	(12123122)	635766.00
3626745.00	3190.06746	(09010521)		
635766.00	3626845.00	3912.36345	(09010521)	635766.00
3627245.00	10138.06314	(10122903)		
635766.00	3627345.00	5648.86457	(12022819)	635766.00
3627445.00	4034.45378	(12010907)		
635766.00	3627545.00	3152.36393	(12012105)	635766.00
3627645.00	2496.40529	(13120219)		
635866.00	3626645.00	2012.64578	(12123122)	635866.00
3626745.00	3115.80844	(12123122)		
635866.00	3626845.00	3907.23093	(09010521)	635866.00
3627345.00	5520.17974	(11011718)		

635866.00	3627445.00	3946.75487	(13011006)	635866.00
3627545.00	3067.10081	(10020502)		
635866.00	3627645.00	2476.66045	(11022722)	635966.00
3626645.00	1319.78669	(13120504)		
635966.00	3626745.00	2882.74526	(12123122)	635966.00
3626845.00	3884.41764	(09010521)		
635966.00	3626945.00	5129.58467	(12032505)	635966.00
3627045.00	10009.60558	(09010519)		
635966.00	3627345.00	5432.43299	(13122120)	635966.00
3627445.00	3865.98166	(11022721)		
635966.00	3627545.00	2899.45026	(13120219)	635966.00
3627645.00	2424.85981	(13021805)		
636066.00	3626945.00	5076.81795	(09010521)	636066.00
3627045.00	9655.87592	(09010519)		
636066.00	3627345.00	5283.62735	(13022218)	636066.00
3627445.00	3739.87872	(10020502)		
636066.00	3627545.00	2860.07869	(11022722)	636066.00
3627645.00	2348.94418	(13012922)		
636166.00	3626945.00	5057.54367	(09010521)	636166.00
3627245.00	9114.30111	(11021719)		
636166.00	3627345.00	5128.57881	(12010907)	636166.00
3627445.00	3503.56017	(10020502)		
636166.00	3627545.00	2753.44122	(13021805)	636166.00
3627645.00	2300.96950	(09122124)		
636266.00	3626945.00	4959.66723	(09010521)	636266.00
3627245.00	8734.96976	(12022819)		
636266.00	3627345.00	4951.63939	(12012105)	636266.00
3627445.00	3413.26609	(13021805)		
636266.00	3627545.00	2686.86764	(09122124)	636266.00
3627645.00	2247.22711	(10121701)		
636366.00	3626945.00	4583.88731	(12123122)	636366.00
3627245.00	8414.10439	(13122120)		
636366.00	3627345.00	4603.06926	(10020502)	636366.00
3627445.00	3269.60511	(13012922)		
636366.00	3627545.00	2600.35251	(10121701)	636366.00
3627645.00	2180.18750	(11010102)		
636466.00	3626645.00	2072.39358	(13010418)	636466.00
3626745.00	2529.00010	(11122405)		
636466.00	3626845.00	3245.88717	(12122804)	636466.00
3626945.00	4591.64114	(09010724)		
636466.00	3627245.00	8308.79890	(09122605)	636466.00
3627345.00	4612.78040	(13120607)		
636466.00	3627445.00	3251.90317	(09120106)	636466.00
3627545.00	2522.08921	(13022501)		
636466.00	3627645.00	2131.97717	(10011705)	636566.00
3626645.00	2101.27412	(12122121)		
636566.00	3626745.00	2562.78351	(13123123)	636566.00
3626845.00	3286.73842	(09122724)		

^ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 1, IMP
 i-8\Segment 1, IMP i-8.isc *** 10/28/19

*** AERMET - VERSION 14134 ***
 *** 08:24:31

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
636566.00	3626945.00	4655.41486	(09010724)	636566.00
3627245.00	8464.03665	(11010304)		
636566.00	3627345.00	4709.42450	(11010107)	636566.00
3627445.00	3305.68103	(13022202)		
636566.00	3627545.00	2565.64551	(11122806)	636566.00
3627645.00	2109.59802	(11122801)		
635566.00	3627895.00	1837.92571	(13021805)	635566.00
3628145.00	1423.71111	(09122124)		
635816.00	3627895.00	1761.67574	(09122124)	635816.00
3628145.00	1393.56260	(10022403)		
636066.00	3627895.00	1701.81605	(10022403)	636066.00
3628145.00	1357.06076	(10011705)		
636316.00	3627895.00	1632.69572	(10011704)	636316.00
3628145.00	1312.96820	(09021605)		
636566.00	3627895.00	1574.07426	(11010101)	636566.00
3628145.00	1289.83532	(09021021)		
636816.00	3627895.00	1468.25762	(12011306)	636816.00
3628145.00	1003.73930	(13011306)		
637066.00	3627895.00	1566.01280	(11120904)	637066.00
3628145.00	1024.68147	(11122703)		
636816.00	3627645.00	2176.25268	(09010107)	636816.00
3627395.00	4011.28151	(11010107)		
636816.00	3626895.00	3940.08964	(09010724)	636816.00

3626645.00	2169.24128	(13123123)		
636816.00	3626145.00	788.03586	(10122720)	637066.00
3627645.00	2239.66249	(12122002)		
637066.00	3627395.00	4110.22234	(11020403)	637066.00
3626895.00	3994.12967	(11010303)		
637066.00	3626645.00	2219.02667	(13120903)	637066.00
3626145.00	805.43220	(11122007)		
636566.00	3626145.00	775.28150	(13021122)	636316.00
3626145.00	755.77805	(11123119)		
636066.00	3626145.00	741.16037	(13120921)	635816.00
3626145.00	752.16389	(12121720)		
635566.00	3626395.00	989.82176	(13120504)	635566.00
3626145.00	773.80202	(09010720)		
635316.00	3626395.00	1742.52228	(12123122)	635316.00
3626145.00	790.35437	(12120917)		
635066.00	3626395.00	2032.51217	(12123122)	635066.00
3626145.00	811.11994	(13120504)		
635316.00	3626645.00	2759.36300	(09010521)	635316.00
3626895.00	5175.66693	(13122119)		
635316.00	3627145.00	27715.00537	(09012307)	635316.00
3627395.00	5003.30436	(11021719)		
635316.00	3627645.00	2781.57746	(13011006)	635316.00
3627895.00	1885.64022	(13120219)		
635316.00	3628145.00	1465.68417	(13012922)	635066.00
3626645.00	2746.70576	(09010521)		
635066.00	3626895.00	5361.83835	(09010519)	635066.00
3627395.00	5125.97475	(11021719)		
635066.00	3627645.00	2841.96146	(12010907)	635066.00
3627895.00	1997.54170	(10020502)		
635066.00	3628145.00	1515.18766	(13021805)	635568.96
3627200.32	16535.55954	(10121824)		
635477.70	3627201.01	16457.62945	(10121824)	635402.81
3627199.07	16888.41613	(10121824)		
635353.44	3627198.80	16927.67891	(10121824)	635285.08
3627187.30	19906.70505	(14010119)		
635221.55	3627193.03	18333.97818	(14010119)	635097.32
3627472.29	4043.89861	(12022819)		
636103.75	3627230.12	10630.86270	(10122903)	636132.08
3627216.20	12281.39663	(10122903)		
636170.35	3627217.70	11887.00374	(10122903)	636187.59
3627222.09	11132.20441	(10122903)		
636202.98	3627221.95	11112.76339	(11021719)	636237.97
3627224.98	10763.24553	(11021719)		
636270.25	3627222.62	10920.60034	(11021719)	636297.14
3627224.42	10565.87633	(11021719)		
636333.51	3627223.32	10445.24543	(11021719)	635203.37
3627164.58	24886.87869	(14010119)		
635206.55	3627123.28	27480.46708	(11121921)	636845.73
3627126.46	21350.17793	(09012805)		
636845.73	3627177.29	19513.59178	(13011221)	

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 1, IMP
 i-8\Segment 1, IMP i-8.isc *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 08:24:31

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	1200.34854 AT (	635568.96, 3627200.32,
-10.36,	-10.36, 0.00) DC		
	2ND HIGHEST VALUE IS	1162.58688 AT (	636845.73, 3627177.29,
-10.97,	-10.97, 0.00) DC		
	3RD HIGHEST VALUE IS	1113.10706 AT (	636132.08, 3627216.20,
-10.88,	-10.88, 0.00) DC		
	4TH HIGHEST VALUE IS	1098.35870 AT (	636170.35, 3627217.70,
-10.89,	-10.89, 0.00) DC		
	5TH HIGHEST VALUE IS	1095.60486 AT (	635477.70, 3627201.01,
-10.36,	-10.36, 0.00) DC		
	6TH HIGHEST VALUE IS	1055.02312 AT (	636270.25, 3627222.62,
-10.67,	-10.67, 0.00) DC		
	7TH HIGHEST VALUE IS	1053.96730 AT (	636333.51, 3627223.32,
-10.65,	-10.65, 0.00) DC		
	8TH HIGHEST VALUE IS	1046.36000 AT (	636202.98, 3627221.95,
-10.94,	-10.94, 0.00) DC		
	9TH HIGHEST VALUE IS	1042.32665 AT (	636187.59, 3627222.09,
-10.94,	-10.94, 0.00) DC		
	10TH HIGHEST VALUE IS	1036.09907 AT (	636297.14, 3627224.42,
-10.67,	-10.67, 0.00) DC		

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

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 1, IMP

i-8\Segment 1, IMP i-8.isc *** 10/28/19
*** AERMET - VERSION 14134 *** ***
*** 08:24:31

PAGE 14
*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

*** THE SUMMARY OF HIGHEST 1-HR
RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3
**

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

ALL HIGH 1ST HIGH VALUE IS 27715.00537 ON 09012307: AT (635316.00,
3627145.00, -10.06, -10.06, 0.00) DC

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

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 1, IMP
i-8\Segment 1, IMP i-8.isc *** 10/28/19
*** AERMET - VERSION 14134 *** ***
*** 08:24:31

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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 10676 Informational Message(s)

A Total of 43872 Hours Were Processed
A Total of 8403 Calm Hours Identified
A Total of 2273 Missing Hours Identified (5.18 Percent)

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

***** WARNING MESSAGES *****
ME W340 145 PRBASE: Possible Error in PROFBASE Input: Value is < 0
PROFBASE
MX W481 43873 MAIN: Data Remaining After End of Year. Number of Hours=
48

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 2, IMP SR-78\Segment 2, IMP SR-78.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 2, IMP SR-78\Segment 2, IMP SR-78.isc
  MODELOPT DFAULT CONC NODRYDPLT NOWETDPLT
  AVERTIME 1 ANNUAL
  URBANOPT 2269
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 2, IMP SR-78.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 26.00
** Configuration = Adjacent
** Emission Rate = 54.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 4
** 627912.760, 3656262.420, -51.49, 2.00, 12.09
** 629122.630, 3656276.740, -49.09, 2.00, 12.09
** 629221.860, 3656272.260, -48.81, 2.00, 12.09
** 629301.880, 3656245.860, -48.68, 2.00, 12.09

```

**

LOCATION	L0000001	VOLUME	627925.759	3656262.574	-51.34
LOCATION	L0000002	VOLUME	627951.757	3656262.882	-51.20
LOCATION	L0000003	VOLUME	627977.755	3656263.189	-51.11
LOCATION	L0000004	VOLUME	628003.754	3656263.497	-50.90
LOCATION	L0000005	VOLUME	628029.752	3656263.805	-50.89
LOCATION	L0000006	VOLUME	628055.750	3656264.112	-50.64
LOCATION	L0000007	VOLUME	628081.748	3656264.420	-50.59
LOCATION	L0000008	VOLUME	628107.746	3656264.728	-50.41
LOCATION	L0000009	VOLUME	628133.745	3656265.036	-50.29
LOCATION	L0000010	VOLUME	628159.743	3656265.343	-50.29
LOCATION	L0000011	VOLUME	628185.741	3656265.651	-50.23
LOCATION	L0000012	VOLUME	628211.739	3656265.959	-49.99
LOCATION	L0000013	VOLUME	628237.737	3656266.266	-49.99
LOCATION	L0000014	VOLUME	628263.735	3656266.574	-49.99
LOCATION	L0000015	VOLUME	628289.734	3656266.882	-49.99
LOCATION	L0000016	VOLUME	628315.732	3656267.190	-49.99
LOCATION	L0000017	VOLUME	628341.730	3656267.497	-49.99
LOCATION	L0000018	VOLUME	628367.728	3656267.805	-49.99
LOCATION	L0000019	VOLUME	628393.726	3656268.113	-49.99
LOCATION	L0000020	VOLUME	628419.724	3656268.420	-49.99
LOCATION	L0000021	VOLUME	628445.723	3656268.728	-49.99
LOCATION	L0000022	VOLUME	628471.721	3656269.036	-49.99
LOCATION	L0000023	VOLUME	628497.719	3656269.344	-50.01
LOCATION	L0000024	VOLUME	628523.717	3656269.651	-50.03
LOCATION	L0000025	VOLUME	628549.715	3656269.959	-50.04
LOCATION	L0000026	VOLUME	628575.714	3656270.267	-50.04
LOCATION	L0000027	VOLUME	628601.712	3656270.574	-50.04
LOCATION	L0000028	VOLUME	628627.710	3656270.882	-49.99
LOCATION	L0000029	VOLUME	628653.708	3656271.190	-49.99
LOCATION	L0000030	VOLUME	628679.706	3656271.498	-49.99
LOCATION	L0000031	VOLUME	628705.704	3656271.805	-49.99
LOCATION	L0000032	VOLUME	628731.703	3656272.113	-49.99
LOCATION	L0000033	VOLUME	628757.701	3656272.421	-49.99
LOCATION	L0000034	VOLUME	628783.699	3656272.728	-49.96
LOCATION	L0000035	VOLUME	628809.697	3656273.036	-49.77
LOCATION	L0000036	VOLUME	628835.695	3656273.344	-49.69
LOCATION	L0000037	VOLUME	628861.694	3656273.652	-49.68
LOCATION	L0000038	VOLUME	628887.692	3656273.959	-49.68
LOCATION	L0000039	VOLUME	628913.690	3656274.267	-49.59
LOCATION	L0000040	VOLUME	628939.688	3656274.575	-49.44
LOCATION	L0000041	VOLUME	628965.686	3656274.882	-49.38
LOCATION	L0000042	VOLUME	628991.684	3656275.190	-49.38
LOCATION	L0000043	VOLUME	629017.683	3656275.498	-49.38
LOCATION	L0000044	VOLUME	629043.681	3656275.806	-49.38
LOCATION	L0000045	VOLUME	629069.679	3656276.113	-49.38
LOCATION	L0000046	VOLUME	629095.677	3656276.421	-49.28
LOCATION	L0000047	VOLUME	629121.675	3656276.729	-49.15
LOCATION	L0000048	VOLUME	629147.650	3656275.610	-49.07
LOCATION	L0000049	VOLUME	629173.623	3656274.438	-49.07

LOCATION	L0000050	VOLUME	629199.597	3656273.265	-49.07
LOCATION	L0000051	VOLUME	629225.387	3656271.096	-48.87
LOCATION	L0000052	VOLUME	629250.078	3656262.950	-48.77
LOCATION	L0000053	VOLUME	629274.769	3656254.804	-48.77
LOCATION	L0000054	VOLUME	629299.460	3656246.658	-48.67

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0000001	1.0	2.00	12.09	0.93
SRCPARAM	L0000002	1.0	2.00	12.09	0.93
SRCPARAM	L0000003	1.0	2.00	12.09	0.93
SRCPARAM	L0000004	1.0	2.00	12.09	0.93
SRCPARAM	L0000005	1.0	2.00	12.09	0.93
SRCPARAM	L0000006	1.0	2.00	12.09	0.93
SRCPARAM	L0000007	1.0	2.00	12.09	0.93
SRCPARAM	L0000008	1.0	2.00	12.09	0.93
SRCPARAM	L0000009	1.0	2.00	12.09	0.93
SRCPARAM	L0000010	1.0	2.00	12.09	0.93
SRCPARAM	L0000011	1.0	2.00	12.09	0.93
SRCPARAM	L0000012	1.0	2.00	12.09	0.93
SRCPARAM	L0000013	1.0	2.00	12.09	0.93
SRCPARAM	L0000014	1.0	2.00	12.09	0.93
SRCPARAM	L0000015	1.0	2.00	12.09	0.93
SRCPARAM	L0000016	1.0	2.00	12.09	0.93
SRCPARAM	L0000017	1.0	2.00	12.09	0.93
SRCPARAM	L0000018	1.0	2.00	12.09	0.93
SRCPARAM	L0000019	1.0	2.00	12.09	0.93
SRCPARAM	L0000020	1.0	2.00	12.09	0.93
SRCPARAM	L0000021	1.0	2.00	12.09	0.93
SRCPARAM	L0000022	1.0	2.00	12.09	0.93
SRCPARAM	L0000023	1.0	2.00	12.09	0.93
SRCPARAM	L0000024	1.0	2.00	12.09	0.93
SRCPARAM	L0000025	1.0	2.00	12.09	0.93
SRCPARAM	L0000026	1.0	2.00	12.09	0.93
SRCPARAM	L0000027	1.0	2.00	12.09	0.93
SRCPARAM	L0000028	1.0	2.00	12.09	0.93
SRCPARAM	L0000029	1.0	2.00	12.09	0.93
SRCPARAM	L0000030	1.0	2.00	12.09	0.93
SRCPARAM	L0000031	1.0	2.00	12.09	0.93
SRCPARAM	L0000032	1.0	2.00	12.09	0.93
SRCPARAM	L0000033	1.0	2.00	12.09	0.93
SRCPARAM	L0000034	1.0	2.00	12.09	0.93
SRCPARAM	L0000035	1.0	2.00	12.09	0.93
SRCPARAM	L0000036	1.0	2.00	12.09	0.93
SRCPARAM	L0000037	1.0	2.00	12.09	0.93
SRCPARAM	L0000038	1.0	2.00	12.09	0.93
SRCPARAM	L0000039	1.0	2.00	12.09	0.93
SRCPARAM	L0000040	1.0	2.00	12.09	0.93
SRCPARAM	L0000041	1.0	2.00	12.09	0.93
SRCPARAM	L0000042	1.0	2.00	12.09	0.93

SRCPARAM L0000043	1.0	2.00	12.09	0.93
SRCPARAM L0000044	1.0	2.00	12.09	0.93
SRCPARAM L0000045	1.0	2.00	12.09	0.93
SRCPARAM L0000046	1.0	2.00	12.09	0.93
SRCPARAM L0000047	1.0	2.00	12.09	0.93
SRCPARAM L0000048	1.0	2.00	12.09	0.93
SRCPARAM L0000049	1.0	2.00	12.09	0.93
SRCPARAM L0000050	1.0	2.00	12.09	0.93
SRCPARAM L0000051	1.0	2.00	12.09	0.93
SRCPARAM L0000052	1.0	2.00	12.09	0.93
SRCPARAM L0000053	1.0	2.00	12.09	0.93
SRCPARAM L0000054	1.0	2.00	12.09	0.93

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 2, IMP SR-78.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\kheck\Desktop\MET Data\Imperial County Airport\747185.SFC"

PROFFILE "C:\Users\kheck\Desktop\MET Data\Imperial County Airport\747185.PFL"

SURFDATA 3144 2009

UAIRDATA 3190 2009

PROFBASE -17.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "Segment 2, IMP SR-78.AD\01H1GALL.PLT" 31

PLOTFILE ANNUAL ALL "Segment 2, IMP SR-78.AD\AN00GALL.PLT" 32

SUMMFILE "Segment 2, IMP SR-78.sum"
OU FINISHED

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

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

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

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

***** WARNING MESSAGES *****
CO W320 22 URBOPT: Input Parameter May Be Out-of-Range for Parameter
 URB-POP
ME W340 187 PRBASE: Possible Error in PROFBASE Input: Value is < 0
 PROFBASE

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 2, IMP
SR-78\Segment 2, IMP SR-78.isc *** 10/28/19
*** AERMET - VERSION 14134 *** ***
 *** 16:27:13

 PAGE 1
*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT 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 54 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 2269.0 ; 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:**

CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

****Model Assumes No FLAGPOLE Receptor Heights.**

****The User Specified a Pollutant Type of: PM₁₀**

****Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates ANNUAL Averages**

****This Run Includes: 54 Source(s); 1 Source Group(s); and 176
Receptor(s)**

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 54 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

****The AERMET Input Meteorological Data Version Date: 14134**

****Output Options Selected:**

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
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) = -17.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0 Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07 Output Units = MICROGRAMS/M3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 2, IMP SR-78.err

**File for Summary of Results: Segment 2, IMP SR-78.sum

*** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 2, IMP SR-78\Segment 2, IMP SR-78.isc *** 10/28/19 *** AERMET - VERSION 14134 *** 16:27:13

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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

Table header with columns: INIT. URBAN SOURCE, NUMBER EMISSION RATE, EMISSION RATE, X, Y, BASE ELEV., RELEASE HEIGHT, INIT. SY. Includes units like (METERS) and (GRAMS/SEC).

Table with 8 columns: ID, URBAN, NUMBER, EMISSION RATE, X, Y, BASE ELEV., RELEASE HEIGHT, INIT. SY. Contains 6 rows of source data for L0000001 through L0000006.

0.93	YES							
L0000007		0	0.10000E+01	628081.7	3656264.4	-50.6	2.00	12.09
0.93	YES							
L0000008		0	0.10000E+01	628107.7	3656264.7	-50.4	2.00	12.09
0.93	YES							
L0000009		0	0.10000E+01	628133.7	3656265.0	-50.3	2.00	12.09
0.93	YES							
L0000010		0	0.10000E+01	628159.7	3656265.3	-50.3	2.00	12.09
0.93	YES							
L0000011		0	0.10000E+01	628185.7	3656265.7	-50.2	2.00	12.09
0.93	YES							
L0000012		0	0.10000E+01	628211.7	3656266.0	-50.0	2.00	12.09
0.93	YES							
L0000013		0	0.10000E+01	628237.7	3656266.3	-50.0	2.00	12.09
0.93	YES							
L0000014		0	0.10000E+01	628263.7	3656266.6	-50.0	2.00	12.09
0.93	YES							
L0000015		0	0.10000E+01	628289.7	3656266.9	-50.0	2.00	12.09
0.93	YES							
L0000016		0	0.10000E+01	628315.7	3656267.2	-50.0	2.00	12.09
0.93	YES							
L0000017		0	0.10000E+01	628341.7	3656267.5	-50.0	2.00	12.09
0.93	YES							
L0000018		0	0.10000E+01	628367.7	3656267.8	-50.0	2.00	12.09
0.93	YES							
L0000019		0	0.10000E+01	628393.7	3656268.1	-50.0	2.00	12.09
0.93	YES							
L0000020		0	0.10000E+01	628419.7	3656268.4	-50.0	2.00	12.09
0.93	YES							
L0000021		0	0.10000E+01	628445.7	3656268.7	-50.0	2.00	12.09
0.93	YES							
L0000022		0	0.10000E+01	628471.7	3656269.0	-50.0	2.00	12.09
0.93	YES							
L0000023		0	0.10000E+01	628497.7	3656269.3	-50.0	2.00	12.09
0.93	YES							
L0000024		0	0.10000E+01	628523.7	3656269.7	-50.0	2.00	12.09
0.93	YES							
L0000025		0	0.10000E+01	628549.7	3656270.0	-50.0	2.00	12.09
0.93	YES							
L0000026		0	0.10000E+01	628575.7	3656270.3	-50.0	2.00	12.09
0.93	YES							
L0000027		0	0.10000E+01	628601.7	3656270.6	-50.0	2.00	12.09
0.93	YES							
L0000028		0	0.10000E+01	628627.7	3656270.9	-50.0	2.00	12.09
0.93	YES							
L0000029		0	0.10000E+01	628653.7	3656271.2	-50.0	2.00	12.09
0.93	YES							
L0000030		0	0.10000E+01	628679.7	3656271.5	-50.0	2.00	12.09
0.93	YES							
L0000031		0	0.10000E+01	628705.7	3656271.8	-50.0	2.00	12.09

0.93	YES							
L0000032		0	0.10000E+01	628731.7	3656272.1	-50.0	2.00	12.09
0.93	YES							
L0000033		0	0.10000E+01	628757.7	3656272.4	-50.0	2.00	12.09
0.93	YES							
L0000034		0	0.10000E+01	628783.7	3656272.7	-50.0	2.00	12.09
0.93	YES							
L0000035		0	0.10000E+01	628809.7	3656273.0	-49.8	2.00	12.09
0.93	YES							
L0000036		0	0.10000E+01	628835.7	3656273.3	-49.7	2.00	12.09
0.93	YES							
L0000037		0	0.10000E+01	628861.7	3656273.7	-49.7	2.00	12.09
0.93	YES							
L0000038		0	0.10000E+01	628887.7	3656274.0	-49.7	2.00	12.09
0.93	YES							
L0000039		0	0.10000E+01	628913.7	3656274.3	-49.6	2.00	12.09
0.93	YES							
L0000040		0	0.10000E+01	628939.7	3656274.6	-49.4	2.00	12.09

0.93 YES
 *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 2, IMP
 SR-78\Segment 2, IMP SR-78.isc *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 16:27:13

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*** MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY						
L0000041		0	0.10000E+01	628965.7	3656274.9	-49.4	2.00	12.09	
0.93	YES								
L0000042		0	0.10000E+01	628991.7	3656275.2	-49.4	2.00	12.09	
0.93	YES								
L0000043		0	0.10000E+01	629017.7	3656275.5	-49.4	2.00	12.09	
0.93	YES								
L0000044		0	0.10000E+01	629043.7	3656275.8	-49.4	2.00	12.09	
0.93	YES								
L0000045		0	0.10000E+01	629069.7	3656276.1	-49.4	2.00	12.09	
0.93	YES								
L0000046		0	0.10000E+01	629095.7	3656276.4	-49.3	2.00	12.09	

0.93	YES							
L0000047		0	0.10000E+01	629121.7	3656276.7	-49.1	2.00	12.09
0.93	YES							
L0000048		0	0.10000E+01	629147.7	3656275.6	-49.1	2.00	12.09
0.93	YES							
L0000049		0	0.10000E+01	629173.6	3656274.4	-49.1	2.00	12.09
0.93	YES							
L0000050		0	0.10000E+01	629199.6	3656273.3	-49.1	2.00	12.09
0.93	YES							
L0000051		0	0.10000E+01	629225.4	3656271.1	-48.9	2.00	12.09
0.93	YES							
L0000052		0	0.10000E+01	629250.1	3656262.9	-48.8	2.00	12.09
0.93	YES							
L0000053		0	0.10000E+01	629274.8	3656254.8	-48.8	2.00	12.09
0.93	YES							
L0000054		0	0.10000E+01	629299.5	3656246.7	-48.7	2.00	12.09
0.93	YES							

*** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 2, IMP
 SR-78\Segment 2, IMP SR-78.isc *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs									
-----	-----									
ALL	L0000001	,	L0000002	,	L0000003	,	L0000004	,	L0000005	,
L0000006	,	L0000007	,	L0000008	,					
	L0000009	,	L0000010	,	L0000011	,	L0000012	,	L0000013	,
L0000014	,	L0000015	,	L0000016	,					
	L0000017	,	L0000018	,	L0000019	,	L0000020	,	L0000021	,
L0000022	,	L0000023	,	L0000024	,					
	L0000025	,	L0000026	,	L0000027	,	L0000028	,	L0000029	,
L0000030	,	L0000031	,	L0000032	,					
	L0000033	,	L0000034	,	L0000035	,	L0000036	,	L0000037	,
L0000038	,	L0000039	,	L0000040	,					
	L0000041	,	L0000042	,	L0000043	,	L0000044	,	L0000045	,
L0000046	,	L0000047	,	L0000048	,					

L0000049 , L0000050 , L0000051 , L0000052 , L0000053 ,
L0000054 ,

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 2, IMP
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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----	-----	-----	-----	-----	-----
L0000005	2269.	L0000001	L0000002	L0000003	L0000004	
L0000008		L0000007				
L0000014		L0000009	L0000010	L0000011	L0000012	L0000013
		L0000015	L0000016			
L0000022		L0000017	L0000018	L0000019	L0000020	L0000021
		L0000023	L0000024			
L0000030		L0000025	L0000026	L0000027	L0000028	L0000029
		L0000031	L0000032			
L0000038		L0000033	L0000034	L0000035	L0000036	L0000037
		L0000039	L0000040			
L0000046		L0000041	L0000042	L0000043	L0000044	L0000045
		L0000047	L0000048			
L0000054		L0000049	L0000050	L0000051	L0000052	L0000053

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 2, IMP
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*** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

(METERS)

(628104.6, 3655755.8, -49.7, -49.7, 0.0); (628104.6, 3655855.8, -49.7, -49.7, 0.0);
(628104.6, 3655955.8, -49.9, -49.9, 0.0); (628104.6, 3656055.8, -50.0, -50.0, 0.0);
(628104.6, 3656155.8, -50.0, -50.0, 0.0); (628104.6, 3656255.8, -50.4, -50.4, 0.0);
(628104.6, 3656355.8, -50.8, -50.8, 0.0); (628104.6, 3656455.8, -51.1, -51.1, 0.0);
(628104.6, 3656555.8, -51.4, -51.4, 0.0); (628104.6, 3656655.8, -51.5, -51.5, 0.0);
(628104.6, 3656755.8, -51.5, -51.5, 0.0); (628204.6, 3655755.8, -49.4, -49.4, 0.0);
(628204.6, 3655855.8, -49.7, -49.7, 0.0); (628204.6, 3655955.8, -49.7, -49.7, 0.0);
(628204.6, 3656055.8, -50.0, -50.0, 0.0); (628204.6, 3656155.8, -50.0, -50.0, 0.0);
(628204.6, 3656255.8, -50.0, -50.0, 0.0); (628204.6, 3656355.8, -50.3, -50.3, 0.0);
(628204.6, 3656455.8, -50.6, -50.6, 0.0); (628204.6, 3656555.8, -50.8, -50.8, 0.0);
(628204.6, 3656655.8, -51.0, -51.0, 0.0); (628204.6, 3656755.8, -51.2, -51.2, 0.0);
(628304.6, 3655755.8, -49.1, -49.1, 0.0); (628304.6, 3655855.8, -49.4, -49.4, 0.0);
(628304.6, 3655955.8, -49.7, -49.7, 0.0); (628304.6, 3656055.8, -50.0, -50.0, 0.0);
(628304.6, 3656155.8, -50.0, -50.0, 0.0); (628304.6, 3656255.8, -50.0, -50.0, 0.0);
(628304.6, 3656355.8, -49.7, -49.7, 0.0); (628304.6, 3656455.8, -50.3, -50.3, 0.0);
(628304.6, 3656555.8, -50.6, -50.6, 0.0); (628304.6, 3656655.8, -50.6, -50.6, 0.0);
(628304.6, 3656755.8, -50.9, -50.9, 0.0); (628404.6, 3655755.8, -49.1, -49.1, 0.0);
(628404.6, 3655855.8, -49.4, -49.4, 0.0); (628404.6, 3655955.8, -49.7, -49.7, 0.0);
(628404.6, 3656055.8, -50.0, -50.0, 0.0); (628404.6, 3656155.8, -50.0, -50.0, 0.0);
(628404.6, 3656255.8, -50.0, -50.0, 0.0); (628404.6, 3656355.8, -50.0, -50.0, 0.0);
(628404.6, 3656455.8, -50.5, -50.5, 0.0); (628404.6, 3656555.8, -50.8, -50.8, 0.0);
(628404.6, 3656655.8, -50.9, -50.9, 0.0); (628404.6, 3656755.8, -51.1, -51.1, 0.0);
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(628504.6, 3655955.8, -49.4, -49.4, 0.0); (628504.6, 3656055.8, -49.7, -49.7, 0.0);

(628504.6, 3656155.8, -50.0, -50.0, 0.0); (628504.6,
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(628504.6, 3656355.8, -50.3, -50.3, 0.0); (628504.6,
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(628604.6, 3655855.8, -49.1, -49.1, 0.0); (628604.6,
3655955.8, -49.4, -49.4, 0.0);
(628604.6, 3656055.8, -49.6, -49.6, 0.0); (628604.6,
3656155.8, -49.8, -49.8, 0.0);
(628604.6, 3656255.8, -50.0, -50.0, 0.0); (628604.6,
3656355.8, -50.3, -50.3, 0.0);
(628604.6, 3656455.8, -50.3, -50.3, 0.0); (628604.6,
3656555.8, -50.6, -50.6, 0.0);
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3656755.8, -50.9, -50.9, 0.0);
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3655855.8, -49.0, -49.0, 0.0);
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3656055.8, -49.4, -49.4, 0.0);
(628704.6, 3656155.8, -49.7, -49.7, 0.0); (628704.6,
3656255.8, -50.0, -50.0, 0.0);
(628704.6, 3656355.8, -50.0, -50.0, 0.0); (628704.6,
3656455.8, -50.3, -50.3, 0.0);
(628704.6, 3656555.8, -50.4, -50.4, 0.0); (628704.6,
3656655.8, -50.6, -50.6, 0.0);
(628704.6, 3656755.8, -50.8, -50.8, 0.0); (628804.6,
3655755.8, -48.5, -48.5, 0.0);
(628804.6, 3655855.8, -48.8, -48.8, 0.0); (628804.6,
3655955.8, -49.1, -49.1, 0.0);
(628804.6, 3656055.8, -49.4, -49.4, 0.0); (628804.6,
3656155.8, -49.5, -49.5, 0.0);
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3656355.8, -50.0, -50.0, 0.0);
(628804.6, 3656455.8, -50.0, -50.0, 0.0); (628804.6,
3656555.8, -50.3, -50.3, 0.0);
(628804.6, 3656655.8, -50.6, -50.6, 0.0); (628804.6,
3656755.8, -50.6, -50.6, 0.0);
(628904.6, 3655755.8, -48.5, -48.5, 0.0); (628904.6,
3655855.8, -48.8, -48.8, 0.0);

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 2, IMP
SR-78\Segment 2, IMP SR-78.isc *** 10/28/19
*** AERMET - VERSION 14134 ***
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*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(628904.6, 3655955.8, -48.8, -48.8, 0.0);	(628904.6,
3656055.8, -49.1, -49.1, 0.0);	
(628904.6, 3656155.8, -49.4, -49.4, 0.0);	(628904.6,
3656255.8, -49.6, -49.6, 0.0);	
(628904.6, 3656355.8, -49.7, -49.7, 0.0);	(628904.6,
3656455.8, -50.0, -50.0, 0.0);	
(628904.6, 3656555.8, -50.2, -50.2, 0.0);	(628904.6,
3656655.8, -50.3, -50.3, 0.0);	
(628904.6, 3656755.8, -50.6, -50.6, 0.0);	(629004.6,
3655755.8, -48.3, -48.3, 0.0);	
(629004.6, 3655855.8, -48.5, -48.5, 0.0);	(629004.6,
3655955.8, -48.8, -48.8, 0.0);	
(629004.6, 3656055.8, -49.1, -49.1, 0.0);	(629004.6,
3656255.8, -49.4, -49.4, 0.0);	
(629004.6, 3656355.8, -49.7, -49.7, 0.0);	(629004.6,
3656455.8, -49.8, -49.8, 0.0);	
(629004.6, 3656555.8, -50.0, -50.0, 0.0);	(629004.6,
3656655.8, -50.3, -50.3, 0.0);	
(629004.6, 3656755.8, -50.3, -50.3, 0.0);	(629104.6,
3655755.8, -48.2, -48.2, 0.0);	
(629104.6, 3655855.8, -48.5, -48.5, 0.0);	(629104.6,
3655955.8, -48.5, -48.5, 0.0);	
(629104.6, 3656055.8, -48.8, -48.8, 0.0);	(629104.6,
3656255.8, -49.1, -49.1, 0.0);	
(629104.6, 3656355.8, -49.4, -49.4, 0.0);	(629104.6,
3656455.8, -49.7, -49.7, 0.0);	
(629104.6, 3656555.8, -50.0, -50.0, 0.0);	(629104.6,
3656655.8, -50.0, -50.0, 0.0);	
(629104.6, 3656755.8, -50.3, -50.3, 0.0);	(628104.6,
3657005.8, -51.7, -51.7, 0.0);	
(628104.6, 3657255.8, -52.1, -52.1, 0.0);	(628354.6,
3657005.8, -51.3, -51.3, 0.0);	
(628354.6, 3657255.8, -51.5, -51.5, 0.0);	(628604.6,
3657005.8, -51.5, -51.5, 0.0);	
(628604.6, 3657255.8, -51.5, -51.5, 0.0);	(628854.6,
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(628854.6, 3657255.8, -51.5, -51.5, 0.0);	(629104.6,
3657005.8, -50.6, -50.6, 0.0);	
(629104.6, 3657255.8, -51.2, -51.2, 0.0);	(629354.6,
3657005.8, -50.3, -50.3, 0.0);	
(629354.6, 3657255.8, -50.9, -50.9, 0.0);	(629604.6,
3657005.8, -50.0, -50.0, 0.0);	
(629604.6, 3657255.8, -50.6, -50.6, 0.0);	(629354.6,
3656755.8, -49.8, -49.8, 0.0);	
(629604.6, 3656755.8, -49.4, -49.4, 0.0);	(629104.6,
3655505.8, -47.5, -47.5, 0.0);	

(629104.6, 3655255.8, -47.1, -47.1, 0.0); (628854.6,
3655505.8, -48.1, -48.1, 0.0);
(628854.6, 3655255.8, -47.6, -47.6, 0.0); (628604.6,
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(627854.6, 3655255.8, -48.5, -48.5, 0.0); (627604.6,
3655505.8, -50.0, -50.0, 0.0);
(627604.6, 3655255.8, -49.1, -49.1, 0.0); (627854.6,
3655755.8, -50.0, -50.0, 0.0);
(627854.6, 3656005.8, -50.6, -50.6, 0.0); (627854.6,
3656755.8, -51.6, -51.6, 0.0);
(627854.6, 3657005.8, -52.1, -52.1, 0.0); (627854.6,
3657255.8, -52.4, -52.4, 0.0);
(627604.6, 3655755.8, -50.6, -50.6, 0.0); (627604.6,
3656005.8, -51.2, -51.2, 0.0);
(627604.6, 3656755.8, -51.8, -51.8, 0.0); (627604.6,
3657005.8, -52.3, -52.3, 0.0);
(627604.6, 3657255.8, -52.7, -52.7, 0.0); (635058.2,
3627462.8, -10.4, -10.4, 0.0);
(629046.3, 3656145.6, -49.1, -49.1, 0.0); (628653.4,
3656224.3, -50.0, -50.0, 0.0);
(628869.8, 3656243.2, -49.7, -49.7, 0.0); (628867.9,
3656220.5, -49.5, -49.5, 0.0);
(628916.3, 3656235.8, -49.4, -49.4, 0.0); (628950.8,
3656245.0, -49.4, -49.4, 0.0);
(628553.5, 3656243.1, -50.0, -50.0, 0.0); (628683.6,
3656303.9, -50.0, -50.0, 0.0);
(628904.8, 3656298.1, -49.7, -49.7, 0.0); (628962.0,
3656326.3, -49.7, -49.7, 0.0);
(629007.2, 3656300.3, -49.4, -49.4, 0.0); (629054.7,
3656301.0, -49.4, -49.4, 0.0);
(629071.0, 3656311.8, -49.4, -49.4, 0.0); (629141.2,
3656208.1, -49.1, -49.1, 0.0);
(629136.9, 3656171.5, -49.0, -49.0, 0.0); (628732.3,
3656427.2, -50.3, -50.3, 0.0);

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 2, IMP
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*** AERMET - VERSION 14134 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *

LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR

FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
- - -			
-1.59	L0000007	628104.6	3656255.8
-16.47	L0000008	628104.6	3656255.8
-4.73	L0000011	628204.6	3656255.8
-13.51	L0000012	628204.6	3656255.8
-7.45	L0000015	628304.6	3656255.8
-10.00	L0000016	628304.6	3656255.8
-9.56	L0000019	628404.6	3656255.8
-6.23	L0000020	628404.6	3656255.8
-10.78	L0000023	628504.6	3656255.8
-2.32	L0000024	628504.6	3656255.8
-10.90	L0000027	628604.6	3656255.8
-9.90	L0000031	628704.6	3656255.8
0.90	L0000034	628804.6	3656255.8
-7.96	L0000035	628804.6	3656255.8
-1.17	L0000038	628904.6	3656255.8
-5.35	L0000039	628904.6	3656255.8
-0.60	L0000039	628904.8	3656298.1
-2.68	L0000042	629004.6	3656255.8
-2.28	L0000043	629004.6	3656255.8
	L0000043	629007.2	3656300.3

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Surface file: C:\Users\kheck\Desktop\MET Data\Imperial County
 Airport\747185.SFC Met Version: 14134
 Profile file: C:\Users\kheck\Desktop\MET Data\Imperial County
 Airport\747185.PFL
 Surface format: FREE

Profile format: FREE

Surface station no.: 3144
 Name: UNKNOWN
 Year: 2009

Upper air station no.: 3190
 Name: UNKNOWN
 Year: 2009

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							
09	01	01	1	01	-6.4	0.082	-9.000	-9.000	-999.	57.	7.9	0.14	0.79	
1.00	1.76	261.	10.0	280.4	2.0									
09	01	01	1	02	-6.4	0.082	-9.000	-9.000	-999.	57.	7.9	0.14	0.79	
1.00	1.76	258.	10.0	279.2	2.0									
09	01	01	1	03	-11.5	0.110	-9.000	-9.000	-999.	88.	10.6	0.14	0.79	
1.00	2.36	254.	10.0	279.2	2.0									
09	01	01	1	04	-11.5	0.110	-9.000	-9.000	-999.	88.	10.6	0.14	0.79	
1.00	2.36	253.	10.0	278.8	2.0									
09	01	01	1	05	-13.4	0.122	-9.000	-9.000	-999.	103.	12.4	0.21	0.79	
1.00	2.36	223.	10.0	279.9	2.0									
09	01	01	1	06	-11.5	0.110	-9.000	-9.000	-999.	88.	10.6	0.14	0.79	
1.00	2.36	272.	10.0	278.1	2.0									
09	01	01	1	07	-6.4	0.082	-9.000	-9.000	-999.	57.	7.9	0.14	0.79	
1.00	1.76	245.	10.0	278.8	2.0									
09	01	01	1	08	-5.4	0.091	-9.000	-9.000	-999.	66.	12.7	0.21	0.79	
0.47	1.76	233.	10.0	281.4	2.0									
09	01	01	1	09	33.6	-9.000	-9.000	-9.000	66.	-999.	-99999.0	0.20	0.79	
0.29	0.00	0.	10.0	284.2	2.0									
09	01	01	1	10	75.8	-9.000	-9.000	-9.000	132.	-999.	-99999.0	0.20	0.79	
0.23	0.00	0.	10.0	287.5	2.0									
09	01	01	1	11	104.7	0.272	0.844	0.009	209.	340.	-17.4	0.34	0.79	
0.21	1.76	334.	10.0	291.4	2.0									
09	01	01	1	12	117.5	-9.000	-9.000	-9.000	279.	-999.	-99999.0	0.20	0.79	
0.20	0.00	0.	10.0	293.1	2.0									
09	01	01	1	13	114.1	-9.000	-9.000	-9.000	379.	-999.	-99999.0	0.20	0.79	
0.20	0.00	0.	10.0	294.2	2.0									
09	01	01	1	14	94.9	-9.000	-9.000	-9.000	446.	-999.	-99999.0	0.20	0.79	
0.21	0.00	0.	10.0	294.9	2.0									
09	01	01	1	15	60.4	-9.000	-9.000	-9.000	484.	-999.	-99999.0	0.20	0.79	


```

0.25  0.00  0.  10.0  294.9  2.0
09 01 01  1 16  13.9 -9.000 -9.000 -9.000  501. -999. -99999.0  0.20  0.79
0.35  0.00  0.  10.0  294.2  2.0
09 01 01  1 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.20  0.79
0.66  0.00  0.  10.0  293.1  2.0
09 01 01  1 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.20  0.79
1.00  0.00  0.  10.0  289.2  2.0
09 01 01  1 19  -8.9  0.104 -9.000 -9.000 -999.  80.  11.4  0.34  0.79
1.00  1.76  14.  10.0  287.5  2.0
09 01 01  1 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.20  0.79
1.00  0.00  0.  10.0  286.4  2.0
09 01 01  1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.20  0.79
1.00  0.00  0.  10.0  284.2  2.0
09 01 01  1 22 -11.4  0.110 -9.000 -9.000 -999.  88.  10.7  0.14  0.79
1.00  2.36  292.  10.0  281.4  2.0
09 01 01  1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.20  0.79
1.00  0.00  0.  10.0  282.5  2.0
09 01 01  1 24 -11.4  0.110 -9.000 -9.000 -999.  88.  10.7  0.14  0.79
1.00  2.36  250.  10.0  280.9  2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
09 01 01 01 10.0 1 261. 1.76 280.4 99.0 -99.00 -99.00

```

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

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^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 2, IMP
SR-78\Segment 2, IMP SR-78.isc *** 10/28/19
*** AERMET - VERSION 14134 *** ***
*** 16:27:13

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*** MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

```

INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3655855.75	628104.56	3655755.75	44.73224	628104.56
3656055.75	628104.56	3655955.75	88.34592	628104.56
3656255.75	628104.56	3656155.75	348.30807	628104.56
3656455.75	628104.56	3656355.75	786.66280	628104.56
3656655.75	628104.56	3656555.75	185.30119	628104.56
3655755.75	628104.56	3656755.75	101.11377	628204.56
3655955.75	628204.56	3655855.75	68.66045	628204.56
3656155.75	628204.56	3656055.75	171.77345	628204.56
3656355.75	628204.56	3656255.75	2137.16068	628204.56
3656555.75	628204.56	3656455.75	364.10666	628204.56
3656755.75	628204.56	3656655.75	145.40267	628204.56
3655855.75	628304.56	3655755.75	55.26365	628304.56
3656055.75	628304.56	3655955.75	112.20660	628304.56
3656255.75	628304.56	3656155.75	462.48141	628304.56
3656455.75	628304.56	3656355.75	1065.89886	628304.56
3656655.75	628304.56	3656555.75	237.48440	628304.56
3655755.75	628304.56	3656755.75	116.38817	628404.56
3655955.75	628404.56	3655855.75	81.80041	628404.56
3656155.75	628404.56	3656055.75	212.73610	628404.56
3656355.75	628404.56	3656255.75	2368.24754	628404.56
3656555.75	628404.56	3656455.75	471.28594	628404.56
3656755.75	628404.56	3656655.75	172.88405	628404.56
	628504.56	3655755.75	63.28191	628504.56

3655855.75	86.91540			
	628504.56	3655955.75	130.79441	628504.56
3656055.75	229.48147			
	628504.56	3656155.75	517.80375	628504.56
3656255.75	2473.81898			
	628504.56	3656355.75	1201.82743	628504.56
3656455.75	512.68912			
	628504.56	3656555.75	287.82381	628504.56
3656655.75	185.77477			
	628504.56	3656755.75	131.56007	628604.56
3655755.75	66.37510			
	628604.56	3655855.75	91.61660	628604.56
3655955.75	139.38668			
	628604.56	3656055.75	242.81146	628604.56
3656155.75	532.85236			
	628604.56	3656255.75	2911.34420	628604.56
3656355.75	1248.73431			
	628604.56	3656455.75	546.32472	628604.56
3656555.75	309.62325			
	628604.56	3656655.75	197.92595	628604.56
3656755.75	138.32232			
	628704.56	3655755.75	69.07100	628704.56
3655855.75	96.13564			
	628704.56	3655955.75	146.84097	628704.56
3656055.75	252.85556			
	628704.56	3656155.75	542.28267	628704.56
3656255.75	2932.93496			
	628704.56	3656355.75	1290.16089	628704.56
3656455.75	571.49266			
	628704.56	3656555.75	327.43470	628704.56
3656655.75	208.60954			
	628704.56	3656755.75	143.80313	628804.56
3655755.75	71.48231			
	628804.56	3655855.75	100.30889	628804.56
3655955.75	152.88472			

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 SR-78\Segment 2, IMP SR-78.isc *** 10/28/19
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 *** 16:27:13

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*** MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018

, L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
628804.56	3656055.75	259.98582	628804.56
3656155.75	547.05365		
628804.56	3656255.75	2063.73477	628804.56
3656355.75	1320.31368		
628804.56	3656455.75	589.81413	628804.56
3656555.75	340.34189		
628804.56	3656655.75	216.74249	628804.56
3656755.75	147.61996		
628904.56	3655755.75	73.66534	628904.56
3655855.75	103.82193		
628904.56	3655955.75	157.27477	628904.56
3656055.75	264.26051		
628904.56	3656155.75	547.58759	628904.56
3656255.75	2067.08665		
628904.56	3656355.75	1345.94741	628904.56
3656455.75	599.24675		
628904.56	3656555.75	347.47607	628904.56
3656655.75	220.98805		
628904.56	3656755.75	149.41614	629004.56
3655755.75	75.44729		
629004.56	3655855.75	106.30449	629004.56
3655955.75	159.99190		
629004.56	3656055.75	265.75881	629004.56
3656255.75	2077.09597		
629004.56	3656355.75	1360.67229	629004.56
3656455.75	598.70399		
629004.56	3656555.75	346.16885	629004.56
3656655.75	220.37529		
629004.56	3656755.75	149.39567	629104.56
3655755.75	76.54573		
629104.56	3655855.75	107.56580	629104.56
3655955.75	160.63476		
629104.56	3656055.75	264.24156	629104.56
3656255.75	2408.21733		
629104.56	3656355.75	1351.06989	629104.56
3656455.75	579.05207		

629104.56	3656555.75	334.65715	629104.56
3656655.75	216.26077		
629104.56	3656755.75	148.69792	628104.56
3657005.75	60.33509		
628104.56	3657255.75	40.46136	628354.56
3657005.75	65.90107		
628354.56	3657255.75	41.50443	628604.56
3657005.75	69.49597		
628604.56	3657255.75	41.39646	628854.56
3657005.75	70.57079		
628854.56	3657255.75	41.21110	629104.56
3657005.75	71.41123		
629104.56	3657255.75	42.20481	629354.56
3657005.75	73.85688		
629354.56	3657255.75	43.70862	629604.56
3657005.75	76.01949		
629604.56	3657255.75	45.43425	629354.56
3656755.75	147.76929		
629604.56	3656755.75	142.66351	629104.56
3655505.75	40.37006		
629104.56	3655255.75	25.96914	628854.56
3655505.75	39.41714		
628854.56	3655255.75	25.21069	628604.56
3655505.75	36.42452		
628604.56	3655255.75	23.31119	628354.56
3655505.75	31.65127		
628354.56	3655255.75	20.45087	628104.56
3655505.75	25.63120		
628104.56	3655255.75	17.18996	627854.56
3655505.75	20.11386		
627854.56	3655255.75	14.21643	627604.56
3655505.75	15.84499		
627604.56	3655255.75	11.75825	627854.56
3655755.75	31.76385		
627854.56	3656005.75	62.62672	627854.56
3656755.75	82.69392		
627854.56	3657005.75	53.90361	627854.56
3657255.75	38.20039		
627604.56	3655755.75	22.97493	627604.56
3656005.75	37.65869		
627604.56	3656755.75	60.41561	627604.56
3657005.75	45.79063		
627604.56	3657255.75	34.56889	635058.17

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 2, IMP
 SR-78\Segment 2, IMP SR-78.isc *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 16:27:13

*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC

Table with 6 columns: X-COORD (M), Y-COORD (M), CONC, X-COORD (M), Y-COORD (M), CONC. It lists 15 discrete receptor points with their coordinates and corresponding PM10 concentrations.

*** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 2, IMP SR-78\Segment 2, IMP SR-78.isc *** 10/28/19 *** AERMET - VERSION 14134 *** 16:27:13

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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002

```

, L0000003 , L0000004 , L0000005 ,
, L0000011 , L0000012 , L0000013 , L0000008 , L0000009 , L0000010
, L0000019 , L0000020 , L0000021 , L0000016 , L0000017 , L0000018
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
3655855.75	628104.56	3655755.75	1723.07043	(12012701)	628104.56
3656055.75	628104.56	3655955.75	2800.25854	(13022618)	628104.56
3656255.75	628104.56	3656155.75	6784.63027	(11020518)	628104.56
3656455.75	628104.56	3656355.75	7988.28847	(11012817)	628104.56
3656655.75	628104.56	3656555.75	3038.75713	(11011718)	628104.56
3655755.75	628104.56	3656755.75	1898.72307	(10020818)	628204.56
3655955.75	628204.56	3655855.75	2107.28423	(12012701)	628204.56
3656155.75	628204.56	3656055.75	3820.29658	(13011322)	628204.56
3656355.75	628204.56	3656255.75	31126.38119	(10021118)	628204.56
3656555.75	628204.56	3656455.75	4255.62177	(11021719)	628204.56
3656755.75	628204.56	3656655.75	2319.64087	(09012219)	628204.56
3655855.75	628304.56	3655755.75	1287.02608	(11012017)	628304.56
3656055.75	628304.56	3655955.75	2619.33285	(13022618)	628304.56
3656255.75	628304.56	3656155.75	6485.13978	(11020518)	628304.56
3656455.75	628304.56	3656355.75	8143.29174	(11012817)	628304.56
3656655.75	628304.56	3656555.75	2994.42637	(09012223)	628304.56
		2279.49678	(10122522)		

628304.56	3656755.75	1854.54662	(12012618)	628404.56
3655755.75	1261.28353	(12120917)		
628404.56	3655855.75	1798.61026	(12012701)	628404.56
3655955.75	2566.05091	(12012701)		
628404.56	3656055.75	3651.09579	(13022618)	628404.56
3656155.75	6224.23383	(13122119)		
628404.56	3656255.75	27198.60859	(10021118)	628404.56
3656355.75	8166.61513	(11012817)		
628404.56	3656455.75	4226.95257	(11011718)	628404.56
3656555.75	2936.37768	(09012219)		
628404.56	3656655.75	2272.85101	(10020818)	628404.56
3656755.75	1837.19479	(10022621)		
628504.56	3655755.75	1227.37607	(09010720)	628504.56
3655855.75	1496.10381	(12120917)		
628504.56	3655955.75	2446.04489	(12012701)	628504.56
3656055.75	3530.75622	(13022618)		
628504.56	3656155.75	6041.08585	(13122119)	628504.56
3656255.75	25199.72130	(10021118)		
628504.56	3656355.75	8118.43866	(11012817)	628504.56
3656455.75	4238.44695	(11011718)		
628504.56	3656555.75	2896.47209	(10121901)	628504.56
3656655.75	2217.85476	(12012618)		
628504.56	3656755.75	1816.01368	(12121219)	628604.56
3655755.75	1244.41117	(10122717)		
628604.56	3655855.75	1491.04871	(12122405)	628604.56
3655955.75	2158.81114	(12012701)		
628604.56	3656055.75	3352.30577	(09010521)	628604.56
3656155.75	5803.75074	(13011322)		
628604.56	3656255.75	27515.18659	(13050106)	628604.56
3656355.75	7949.54084	(11012817)		
628604.56	3656455.75	4222.47313	(09012223)	628604.56
3656555.75	2891.08345	(10020818)		
628604.56	3656655.75	2198.06535	(10022621)	628604.56
3656755.75	1809.92444	(11011618)		
628704.56	3655755.75	1259.40814	(11012417)	628704.56
3655855.75	1527.64025	(09012017)		
628704.56	3655955.75	2264.59344	(09120218)	628704.56
3656055.75	3235.04342	(13020318)		
628704.56	3656155.75	5559.15043	(13022618)	628704.56
3656255.75	25176.77089	(13050106)		
628704.56	3656355.75	7900.15560	(11021719)	628704.56
3656455.75	4133.89434	(12010119)		
628704.56	3656555.75	2809.61703	(12012618)	628704.56
3656655.75	2176.32062	(11011618)		
628704.56	3656755.75	1748.37660	(12121119)	628804.56
3655755.75	1280.85559	(09012017)		
628804.56	3655855.75	1661.19290	(09120218)	628804.56
3655955.75	2323.21724	(09120218)		

^ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 2, IMP
 SR-78\Segment 2, IMP SR-78.isc *** 10/28/19

*** AERMET - VERSION 14134 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L000001 , L000002
 , L000003 , L000004 , L000005 ,
 , L000006 , L000007 , L000008 , L000009 , L000010
 , L000011 , L000012 , L000013 ,
 , L000014 , L000015 , L000016 , L000017 , L000018
 , L000019 , L000020 , L000021 ,
 , L000022 , L000023 , L000024 , L000025 , L000026
 , L000027 , L000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
628804.56	3656055.75	3290.43084	(13020318)	628804.56
3656155.75	5445.08860	(11010222)		
628804.56	3656255.75	22483.42227	(13050106)	628804.56
3656355.75	7763.35159	(12022819)		
628804.56	3656455.75	4091.69520	(10122522)	628804.56
3656555.75	2798.13976	(12121219)		
628804.56	3656655.75	2125.91368	(09010717)	628804.56
3656755.75	1734.46954	(12121718)		
628904.56	3655755.75	1298.45986	(09012017)	628904.56
3655855.75	1826.84531	(09120218)		
628904.56	3655955.75	2387.57843	(09020624)	628904.56
3656055.75	3312.04080	(13011817)		
628904.56	3656155.75	5507.30603	(11010222)	628904.56
3656255.75	21031.40742	(12011522)		
628904.56	3656355.75	8018.82466	(11011718)	628904.56
3656455.75	4007.71769	(13120219)		
628904.56	3656555.75	2743.14003	(09010717)	628904.56
3656655.75	2084.40135	(12121718)		
628904.56	3656755.75	1719.02425	(10011721)	629004.56
3655755.75	1404.82593	(09120218)		
629004.56	3655855.75	1885.26583	(09120218)	629004.56
3655955.75	2440.73577	(13020318)		
629004.56	3656055.75	3365.18503	(10012721)	629004.56

3656255.75	21217.93114	(12011522)		
629004.56	3656355.75	7882.99652	(12010119)	629004.56
3656455.75	3965.25561	(12011208)		
629004.56	3656555.75	2704.84786	(11011518)	629004.56
3656655.75	2066.34154	(10021619)		
629004.56	3656755.75	1653.21801	(11122917)	629104.56
3655755.75	1538.69479	(09120218)		
629104.56	3655855.75	1917.06148	(12020601)	629104.56
3655955.75	2474.33313	(13020318)		
629104.56	3656055.75	3393.86820	(10012721)	629104.56
3656255.75	21484.29975	(12011522)		
629104.56	3656355.75	7896.87989	(13020223)	629104.56
3656455.75	4023.46622	(13022818)		
629104.56	3656555.75	2752.33633	(13020307)	629104.56
3656655.75	2109.10421	(10121104)		
629104.56	3656755.75	1697.24742	(12120307)	628104.56
3657005.75	1316.31463	(12121219)		
628104.56	3657255.75	1012.49983	(09050302)	628354.56
3657005.75	1293.85041	(09010717)		
628354.56	3657255.75	1004.63227	(12121718)	628604.56
3657005.75	1254.27956	(12121718)		
628604.56	3657255.75	983.29896	(13010908)	628854.56
3657005.75	1202.28065	(11122917)		
628854.56	3657255.75	973.35851	(12121206)	629104.56
3657005.75	1174.40373	(09122307)		
629104.56	3657255.75	943.87035	(09122307)	629354.56
3657005.75	1145.91717	(13043006)		
629354.56	3657255.75	891.87121	(10020318)	629604.56
3657005.75	1241.39840	(12120307)		
629604.56	3657255.75	904.43897	(13031418)	629354.56
3656755.75	1776.03264	(10121104)		
629604.56	3656755.75	1829.63867	(11021803)	629104.56
3655505.75	931.83925	(12122405)		
629104.56	3655255.75	739.13614	(10122717)	628854.56
3655505.75	919.33521	(10122717)		
628854.56	3655255.75	726.16566	(10020218)	628604.56
3655505.75	907.71677	(11013020)		
628604.56	3655255.75	731.18130	(09022218)	628354.56
3655505.75	909.32715	(11013020)		
628354.56	3655255.75	735.36634	(11013020)	628104.56
3655505.75	918.78410	(12120917)		
628104.56	3655255.75	729.56419	(09032704)	627854.56
3655505.75	959.96857	(11012017)		
627854.56	3655255.75	735.28821	(09010720)	627604.56
3655505.75	1292.60284	(12012701)		
627604.56	3655255.75	758.87214	(12120917)	627854.56
3655755.75	1840.26751	(09010521)		
627854.56	3656005.75	3340.27860	(13122119)	627854.56
3656755.75	1960.85438	(09012219)		
627854.56	3657005.75	1337.15663	(13120219)	627854.56

3657255.75 1049.51457 (11011618)
 627604.56 3655755.75 1942.84138 (13022618) 627604.56
 3656005.75 3466.71145 (13122119)
 627604.56 3656755.75 2005.15046 (09012223) 627604.56
 3657005.75 1385.00182 (10020818)
 627604.56 3657255.75 1062.11923 (12121219) 635058.17
 3627462.76 68.97267 (12022018)

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 2, IMP
 SR-78\Segment 2, IMP SR-78.isc *** 10/28/19
 *** AERMET - VERSION 14134 ***
 *** 16:27:13

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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
629046.29	3656145.58	5199.58259	(10011517)	628653.35
3656224.31	12309.47934	(11020518)		
628869.75	3656243.21	17087.29127	(12120718)	628867.92
3656220.54	10650.91097	(13012217)		
628916.26	3656235.76	13981.55940	(13012117)	628950.77
3656245.00	17674.56831	(12120718)		
628553.47	3656243.13	20103.28082	(12013017)	628683.60
3656303.89	17588.08785	(11022719)		
628904.81	3656298.06	20385.25350	(10120417)	628962.02
3656326.30	11276.69991	(12022819)		
629007.22	3656300.30	20053.34424	(10120417)	629054.74
3656301.01	20450.55214	(10120417)		
629070.99	3656311.80	15272.68590	(11011718)	629141.18
3656208.08	8914.53340	(13012217)		

629136.85 3656171.46 6298.85637 (09012106) 628732.29
 3656427.20 4798.99126 (09012223)
 *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 2, IMP
 SR-78\Segment 2, IMP SR-78.isc *** 10/28/19
 *** AERMET - VERSION 14134 ***
 *** 16:27:13

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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	3843.03234 AT (	629054.74, 3656301.01,
-49.38,	-49.38, 0.00) DC		
	2ND HIGHEST VALUE IS	3339.83750 AT (	628904.81, 3656298.06,
-49.68,	-49.68, 0.00) DC		
	3RD HIGHEST VALUE IS	3278.41451 AT (	629007.22, 3656300.30,
-49.40,	-49.40, 0.00) DC		
	4TH HIGHEST VALUE IS	3086.66303 AT (	628683.60, 3656303.89,
-49.99,	-49.99, 0.00) DC		
	5TH HIGHEST VALUE IS	2932.93496 AT (	628704.56, 3656255.75,
-49.99,	-49.99, 0.00) DC		
	6TH HIGHEST VALUE IS	2911.34420 AT (	628604.56, 3656255.75,
-49.99,	-49.99, 0.00) DC		
	7TH HIGHEST VALUE IS	2839.41000 AT (	629070.99, 3656311.80,
-49.38,	-49.38, 0.00) DC		
	8TH HIGHEST VALUE IS	2473.81898 AT (	628504.56, 3656255.75,
-49.99,	-49.99, 0.00) DC		
	9TH HIGHEST VALUE IS	2413.59713 AT (	628553.47, 3656243.13,
-49.99,	-49.99, 0.00) DC		
	10TH HIGHEST VALUE IS	2408.21733 AT (	629104.56, 3656255.75,
-49.11,	-49.11, 0.00) DC		

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

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 2, IMP
 SR-78\Segment 2, IMP SR-78.isc *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 16:27:13

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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

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

ALL HIGH 1ST HIGH VALUE IS 32953.06660 ON 10021118: AT (628104.56,
 3656255.75, -50.40, -50.40, 0.00) DC

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

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 2, IMP
 SR-78\Segment 2, IMP SR-78.isc *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 16:27:13

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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
 A Total of 3 Warning Message(s)
 A Total of 10676 Informational Message(s)

 A Total of 43872 Hours Were Processed

 A Total of 8403 Calm Hours Identified

A Total of 2273 Missing Hours Identified (5.18 Percent)

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

***** WARNING MESSAGES *****
CO W320 22 URB-POP URB-POP: Input Parameter May Be Out-of-Range for Parameter
ME W340 187 PRBASE: Possible Error in PRBASE Input: Value is < 0
PROFBASE
MX W481 43873 MAIN: Data Remaining After End of Year. Number of Hours=
48

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 3, LA I-110\Segment 3, LA I-110.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 3, LA I-110\Segment 3, LA I-110.isc
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 92797
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 3, LA I-110.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 56.00
** Configuration = Adjacent
** Emission Rate = 29.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 3
** 380857.940, 3742066.060, 19.09, 2.00, 26.05
** 380860.250, 3742772.520, 18.96, 2.00, 26.05
** 380864.380, 3743713.660, 18.94, 2.00, 26.05
** -----

```

LOCATION L0000001	VOLUME	380858.032	3742094.060	18.73
LOCATION L0000002	VOLUME	380858.215	3742150.060	18.74
LOCATION L0000003	VOLUME	380858.398	3742206.059	18.75
LOCATION L0000004	VOLUME	380858.581	3742262.059	18.75
LOCATION L0000005	VOLUME	380858.764	3742318.059	18.76
LOCATION L0000006	VOLUME	380858.947	3742374.058	18.77
LOCATION L0000007	VOLUME	380859.130	3742430.058	18.77
LOCATION L0000008	VOLUME	380859.313	3742486.058	18.78
LOCATION L0000009	VOLUME	380859.496	3742542.057	18.79
LOCATION L0000010	VOLUME	380859.680	3742598.057	18.79
LOCATION L0000011	VOLUME	380859.863	3742654.057	18.80
LOCATION L0000012	VOLUME	380860.046	3742710.057	18.81
LOCATION L0000013	VOLUME	380860.229	3742766.056	18.81
LOCATION L0000014	VOLUME	380860.467	3742822.056	18.82
LOCATION L0000015	VOLUME	380860.713	3742878.055	18.83
LOCATION L0000016	VOLUME	380860.959	3742934.055	18.83
LOCATION L0000017	VOLUME	380861.205	3742990.054	18.84
LOCATION L0000018	VOLUME	380861.450	3743046.054	18.84
LOCATION L0000019	VOLUME	380861.696	3743102.053	18.85
LOCATION L0000020	VOLUME	380861.942	3743158.053	18.86
LOCATION L0000021	VOLUME	380862.188	3743214.052	18.86
LOCATION L0000022	VOLUME	380862.433	3743270.051	18.87
LOCATION L0000023	VOLUME	380862.679	3743326.051	18.87
LOCATION L0000024	VOLUME	380862.925	3743382.050	18.88
LOCATION L0000025	VOLUME	380863.171	3743438.050	18.89
LOCATION L0000026	VOLUME	380863.416	3743494.049	18.89
LOCATION L0000027	VOLUME	380863.662	3743550.049	18.90
LOCATION L0000028	VOLUME	380863.908	3743606.048	18.90
LOCATION L0000029	VOLUME	380864.154	3743662.048	18.91

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001	1.0	2.00	26.05	0.93
SRCPARAM L0000002	1.0	2.00	26.05	0.93
SRCPARAM L0000003	1.0	2.00	26.05	0.93
SRCPARAM L0000004	1.0	2.00	26.05	0.93
SRCPARAM L0000005	1.0	2.00	26.05	0.93
SRCPARAM L0000006	1.0	2.00	26.05	0.93
SRCPARAM L0000007	1.0	2.00	26.05	0.93
SRCPARAM L0000008	1.0	2.00	26.05	0.93
SRCPARAM L0000009	1.0	2.00	26.05	0.93
SRCPARAM L0000010	1.0	2.00	26.05	0.93
SRCPARAM L0000011	1.0	2.00	26.05	0.93
SRCPARAM L0000012	1.0	2.00	26.05	0.93
SRCPARAM L0000013	1.0	2.00	26.05	0.93
SRCPARAM L0000014	1.0	2.00	26.05	0.93
SRCPARAM L0000015	1.0	2.00	26.05	0.93
SRCPARAM L0000016	1.0	2.00	26.05	0.93
SRCPARAM L0000017	1.0	2.00	26.05	0.93
SRCPARAM L0000018	1.0	2.00	26.05	0.93

SRCPARAM L0000019	1.0	2.00	26.05	0.93
SRCPARAM L0000020	1.0	2.00	26.05	0.93
SRCPARAM L0000021	1.0	2.00	26.05	0.93
SRCPARAM L0000022	1.0	2.00	26.05	0.93
SRCPARAM L0000023	1.0	2.00	26.05	0.93
SRCPARAM L0000024	1.0	2.00	26.05	0.93
SRCPARAM L0000025	1.0	2.00	26.05	0.93
SRCPARAM L0000026	1.0	2.00	26.05	0.93
SRCPARAM L0000027	1.0	2.00	26.05	0.93
SRCPARAM L0000028	1.0	2.00	26.05	0.93
SRCPARAM L0000029	1.0	2.00	26.05	0.93

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 3, LA I-110.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\kheck\Desktop\MET

Data\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.SFC"

PROFFILE "C:\Users\kheck\Desktop\MET

Data\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.PFL"

SURFDATA 23129 2012

UAIRDATA 3190 2012

PROFBASE 7.3 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "Segment 3, LA I-110.AD\AN00GALL.PLT" 31

SUMMFILE "Segment 3, LA I-110.sum"

OU FINISHED

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

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

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

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

***** WARNING MESSAGES *****
ME W186 137 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 137 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 3, LA
I-110\Segment 3, LA I-110.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 09:11:30

PAGE 1
*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 29 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 92797.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates ANNUAL Averages Only

**This Run Includes: 29 Source(s); 1 Source Group(s); and 175
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 29 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 7.30 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0

Emission Units = GRAMS/SEC ;
 Emission Rate Unit Factor = 0.10000E+07
 Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 3, LA I-110.err

**File for Summary of Results: Segment 3, LA I-110.sum

▲ *** AERMOD - VERSION 18081 *** ** C:\Lakes\AERMOD View\Segment 3, LA
 I-110\Segment 3, LA I-110.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 09:11:30

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

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0000001		0	0.10000E+01		380858.0	3742094.1	18.7	2.00	26.05
0.93	YES								
L0000002		0	0.10000E+01		380858.2	3742150.1	18.7	2.00	26.05
0.93	YES								
L0000003		0	0.10000E+01		380858.4	3742206.1	18.8	2.00	26.05
0.93	YES								
L0000004		0	0.10000E+01		380858.6	3742262.1	18.8	2.00	26.05
0.93	YES								
L0000005		0	0.10000E+01		380858.8	3742318.1	18.8	2.00	26.05
0.93	YES								
L0000006		0	0.10000E+01		380858.9	3742374.1	18.8	2.00	26.05
0.93	YES								
L0000007		0	0.10000E+01		380859.1	3742430.1	18.8	2.00	26.05
0.93	YES								
L0000008		0	0.10000E+01		380859.3	3742486.1	18.8	2.00	26.05

0.93	YES							
L0000009		0	0.10000E+01	380859.5	3742542.1	18.8	2.00	26.05
0.93	YES							
L0000010		0	0.10000E+01	380859.7	3742598.1	18.8	2.00	26.05
0.93	YES							
L0000011		0	0.10000E+01	380859.9	3742654.1	18.8	2.00	26.05
0.93	YES							
L0000012		0	0.10000E+01	380860.0	3742710.1	18.8	2.00	26.05
0.93	YES							
L0000013		0	0.10000E+01	380860.2	3742766.1	18.8	2.00	26.05
0.93	YES							
L0000014		0	0.10000E+01	380860.5	3742822.1	18.8	2.00	26.05
0.93	YES							
L0000015		0	0.10000E+01	380860.7	3742878.1	18.8	2.00	26.05
0.93	YES							
L0000016		0	0.10000E+01	380861.0	3742934.1	18.8	2.00	26.05
0.93	YES							
L0000017		0	0.10000E+01	380861.2	3742990.1	18.8	2.00	26.05
0.93	YES							
L0000018		0	0.10000E+01	380861.5	3743046.1	18.8	2.00	26.05
0.93	YES							
L0000019		0	0.10000E+01	380861.7	3743102.1	18.9	2.00	26.05
0.93	YES							
L0000020		0	0.10000E+01	380861.9	3743158.1	18.9	2.00	26.05
0.93	YES							
L0000021		0	0.10000E+01	380862.2	3743214.1	18.9	2.00	26.05
0.93	YES							
L0000022		0	0.10000E+01	380862.4	3743270.1	18.9	2.00	26.05
0.93	YES							
L0000023		0	0.10000E+01	380862.7	3743326.1	18.9	2.00	26.05
0.93	YES							
L0000024		0	0.10000E+01	380862.9	3743382.0	18.9	2.00	26.05
0.93	YES							
L0000025		0	0.10000E+01	380863.2	3743438.0	18.9	2.00	26.05
0.93	YES							
L0000026		0	0.10000E+01	380863.4	3743494.0	18.9	2.00	26.05
0.93	YES							
L0000027		0	0.10000E+01	380863.7	3743550.0	18.9	2.00	26.05
0.93	YES							
L0000028		0	0.10000E+01	380863.9	3743606.0	18.9	2.00	26.05
0.93	YES							
L0000029		0	0.10000E+01	380864.2	3743662.0	18.9	2.00	26.05

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 3, LA
 I-110\Segment 3, LA I-110.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 09:11:30

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID -----	SOURCE IDs -----				
ALL L0000006	L0000001 , L0000007	, L0000002 , L0000008	, L0000003 ,	, L0000004	, L0000005 ,
L0000014	L0000009 , L0000015	, L0000010 , L0000016	, L0000011 ,	, L0000012	, L0000013 ,
L0000022	L0000017 , L0000023	, L0000018 , L0000024	, L0000019 ,	, L0000020	, L0000021 ,
	L0000025	, L0000026	, L0000027	, L0000028	, L0000029 ,
▲ *** AERMOD - VERSION 18081 ***	*** C:\Lakes\AERMOD View\Segment 3, LA				
I-110\Segment 3, LA I-110.isc	***		10/28/19		
*** AERMET - VERSION 16216 ***	***				
	*** 09:11:30				

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID -----	URBAN POP -----	SOURCE IDs -----				
L0000005 L0000008	92797. , L0000006 ,	L0000001 , L0000007	, L0000002 ,	, L0000003	, L0000004 ,	
L0000014	L0000009 , L0000015	, L0000010 , L0000016	, L0000011 ,	, L0000012	, L0000013 ,	
L0000022	L0000017 , L0000023	, L0000018 , L0000024	, L0000019 ,	, L0000020	, L0000021 ,	
	L0000025	, L0000026	, L0000027	, L0000028	, L0000029 ,	
▲ *** AERMOD - VERSION 18081 ***	*** C:\Lakes\AERMOD View\Segment 3, LA					
I-110\Segment 3, LA I-110.isc	***		10/28/19			
*** AERMET - VERSION 16216 ***	***					
	*** 09:11:30					

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(380484.6, 3742431.0,	21.9,	21.9,	0.0);	(380484.6,
3742531.0, 21.7, 21.7,	0.0);			
(380484.6, 3742631.0,	21.3,	21.3,	0.0);	(380484.6,
3742731.0, 21.0, 21.0,	0.0);			
(380484.6, 3742831.0,	21.0,	21.0,	0.0);	(380484.6,
3742931.0, 21.0, 21.0,	0.0);			
(380484.6, 3743031.0,	21.0,	21.0,	0.0);	(380484.6,
3743131.0, 21.0, 21.0,	0.0);			
(380484.6, 3743231.0,	21.0,	21.0,	0.0);	(380484.6,
3743331.0, 21.0, 21.0,	0.0);			
(380484.6, 3743431.0,	21.0,	21.0,	0.0);	(380584.6,
3742431.0, 21.2, 21.2,	0.0);			
(380584.6, 3742531.0,	21.0,	21.0,	0.0);	(380584.6,
3742631.0, 21.0, 21.0,	0.0);			
(380584.6, 3742731.0,	21.0,	21.0,	0.0);	(380584.6,
3742831.0, 21.0, 21.0,	0.0);			
(380584.6, 3742931.0,	21.0,	21.0,	0.0);	(380584.6,
3743031.0, 21.0, 21.0,	0.0);			
(380584.6, 3743131.0,	21.0,	21.0,	0.0);	(380584.6,
3743231.0, 21.0, 21.0,	0.0);			
(380584.6, 3743331.0,	21.0,	21.0,	0.0);	(380584.6,
3743431.0, 21.0, 21.0,	0.0);			
(380684.6, 3742431.0,	21.0,	21.0,	0.0);	(380684.6,
3742531.0, 21.0, 21.0,	0.0);			
(380684.6, 3742631.0,	21.0,	21.0,	0.0);	(380684.6,
3742731.0, 21.0, 21.0,	0.0);			
(380684.6, 3742831.0,	21.0,	21.0,	0.0);	(380684.6,
3742931.0, 21.0, 21.0,	0.0);			
(380684.6, 3743031.0,	21.0,	21.0,	0.0);	(380684.6,
3743131.0, 21.0, 21.0,	0.0);			
(380684.6, 3743231.0,	21.0,	21.0,	0.0);	(380684.6,
3743331.0, 21.0, 21.0,	0.0);			
(380684.6, 3743431.0,	21.0,	21.0,	0.0);	(380784.6,
3742431.0, 19.7, 19.7,	0.0);			
(380784.6, 3742531.0,	19.8,	19.8,	0.0);	(380784.6,
3742631.0, 19.8, 19.8,	0.0);			
(380784.6, 3742731.0,	19.8,	19.8,	0.0);	(380784.6,
3742831.0, 19.8, 19.8,	0.0);			
(380784.6, 3742931.0,	19.8,	19.8,	0.0);	(380784.6,
3743031.0, 19.8, 19.8,	0.0);			
(380784.6, 3743131.0,	19.9,	19.9,	0.0);	(380784.6,
3743231.0, 19.9, 19.9,	0.0);			

(380784.6, 3743331.0, 19.9, 19.9, 0.0); (380784.6,
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 (380884.6, 3742431.0, 18.4, 18.4, 0.0); (380884.6,
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 3742431.0, 17.2, 17.2, 0.0);
 (380984.6, 3742531.0, 17.2, 17.2, 0.0); (380984.6,
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 (380984.6, 3742731.0, 17.2, 17.2, 0.0); (380984.6,
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 (380984.6, 3742931.0, 17.2, 17.2, 0.0); (380984.6,
 3743031.0, 17.2, 17.2, 0.0);
 (380984.6, 3743131.0, 17.3, 17.3, 0.0); (380984.6,
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 (380984.6, 3743331.0, 17.3, 17.3, 0.0); (380984.6,
 3743431.0, 17.3, 17.3, 0.0);
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 3742931.0, 16.9, 16.9, 0.0);
 (381084.6, 3743031.0, 16.9, 16.9, 0.0); (381084.6,
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 (381084.6, 3743231.0, 17.0, 17.0, 0.0); (381084.6,
 3743331.0, 17.0, 17.0, 0.0);
 (381084.6, 3743431.0, 17.0, 17.0, 0.0); (381184.6,
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 (381184.6, 3742731.0, 15.6, 15.6, 0.0); (381184.6,
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 (381184.6, 3743331.0, 15.7, 15.7, 0.0); (381184.6,
 3743431.0, 15.7, 15.7, 0.0);
 (381284.6, 3742431.0, 14.3, 14.3, 0.0); (381284.6,
 3742531.0, 14.3, 14.3, 0.0);
 (381284.6, 3742631.0, 14.3, 14.3, 0.0); (381284.6,
 3742731.0, 14.3, 14.3, 0.0);
 (381284.6, 3742831.0, 14.3, 14.3, 0.0); (381284.6,
 3742931.0, 14.3, 14.3, 0.0);
 (381284.6, 3743031.0, 14.4, 14.4, 0.0); (381284.6,
 3743131.0, 14.4, 14.4, 0.0);

*** AERMET - VERSION 16216 *** ***
*** 09:11:30

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

(381284.6, 3743231.0,	14.4,	14.4,	0.0);	(381284.6,
3743331.0,	14.4,	14.4,	0.0);	
(381284.6, 3743431.0,	14.4,	14.4,	0.0);	(381384.6,
3742431.0,	14.0,	14.0,	0.0);	
(381384.6, 3742531.0,	14.0,	14.0,	0.0);	(381384.6,
3742631.0,	14.0,	14.0,	0.0);	
(381384.6, 3742731.0,	14.0,	14.0,	0.0);	(381384.6,
3742831.0,	14.0,	14.0,	0.0);	
(381384.6, 3742931.0,	14.0,	14.0,	0.0);	(381384.6,
3743031.0,	14.0,	14.0,	0.0);	
(381384.6, 3743131.0,	14.0,	14.0,	0.0);	(381384.6,
3743231.0,	14.0,	14.0,	0.0);	
(381384.6, 3743331.0,	14.0,	14.0,	0.0);	(381384.6,
3743431.0,	14.0,	14.0,	0.0);	
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3742531.0,	12.7,	12.7,	0.0);	
(381484.6, 3742631.0,	12.7,	12.7,	0.0);	(381484.6,
3742731.0,	12.7,	12.7,	0.0);	
(381484.6, 3742831.0,	12.7,	12.7,	0.0);	(381484.6,
3742931.0,	12.8,	12.8,	0.0);	
(381484.6, 3743031.0,	12.8,	12.8,	0.0);	(381484.6,
3743131.0,	12.8,	12.8,	0.0);	
(381484.6, 3743231.0,	12.8,	12.8,	0.0);	(381484.6,
3743331.0,	12.8,	12.8,	0.0);	
(381484.6, 3743431.0,	12.8,	12.8,	0.0);	(380484.6,
3743681.0,	21.0,	21.0,	0.0);	
(380484.6, 3743931.0,	21.0,	21.0,	0.0);	(380734.6,
3743681.0,	20.6,	20.6,	0.0);	
(380734.6, 3743931.0,	20.6,	20.6,	0.0);	(380984.6,
3743681.0,	17.4,	17.4,	0.0);	
(380984.6, 3743931.0,	17.4,	17.4,	0.0);	(381234.6,
3743681.0,	15.1,	15.1,	0.0);	
(381234.6, 3743931.0,	15.2,	15.2,	0.0);	(381484.6,
3743681.0,	12.9,	12.9,	0.0);	
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3743681.0,	11.0,	11.0,	0.0);	
(381734.6, 3743931.0,	12.0,	12.0,	0.0);	(381984.6,
3743681.0,	11.0,	11.0,	0.0);	
(381984.6, 3743931.0,	12.0,	12.0,	0.0);	(381734.6,
3743431.0,	10.6,	10.6,	0.0);	

(381734.6, 3743181.0, 10.6, 10.6, 0.0); (381734.6,
3742931.0, 10.5, 10.5, 0.0);
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3742431.0, 10.4, 10.4, 0.0);
(381734.6, 3742181.0, 10.4, 10.4, 0.0); (381734.6,
3741931.0, 10.4, 10.4, 0.0);
(381984.6, 3743431.0, 9.4, 9.4, 0.0); (381984.6,
3743181.0, 8.3, 8.3, 0.0);
(381984.6, 3742931.0, 8.3, 8.3, 0.0); (381984.6,
3742681.0, 8.2, 8.2, 0.0);
(381984.6, 3742431.0, 8.2, 8.2, 0.0); (381984.6,
3742181.0, 8.0, 8.0, 0.0);
(381984.6, 3741931.0, 8.0, 8.0, 0.0); (381484.6,
3742181.0, 12.6, 12.6, 0.0);
(381484.6, 3741931.0, 12.6, 12.6, 0.0); (381234.6,
3742181.0, 14.9, 14.9, 0.0);
(381234.6, 3741931.0, 14.8, 14.8, 0.0); (380984.6,
3742181.0, 17.1, 17.1, 0.0);
(380984.6, 3741931.0, 17.1, 17.1, 0.0); (380734.6,
3742181.0, 20.4, 20.4, 0.0);
(380734.6, 3741931.0, 20.3, 20.3, 0.0); (380484.6,
3742181.0, 22.6, 22.6, 0.0);
(380484.6, 3741931.0, 22.6, 22.6, 0.0); (380234.6,
3742181.0, 24.3, 24.3, 0.0);
(380234.6, 3741931.0, 24.8, 24.8, 0.0); (379984.6,
3742181.0, 26.0, 26.0, 0.0);
(379984.6, 3741931.0, 27.0, 27.0, 0.0); (380234.6,
3742431.0, 23.0, 23.0, 0.0);
(380234.6, 3742681.0, 22.0, 22.0, 0.0); (380234.6,
3742931.0, 21.0, 21.0, 0.0);
(380234.6, 3743181.0, 21.0, 21.0, 0.0); (380234.6,
3743431.0, 21.0, 21.0, 0.0);
(380234.6, 3743681.0, 21.0, 21.0, 0.0); (380234.6,
3743931.0, 21.0, 21.0, 0.0);
(379984.6, 3742431.0, 24.7, 24.7, 0.0); (379984.6,
3742681.0, 23.2, 23.2, 0.0);
(379984.6, 3742931.0, 22.2, 22.2, 0.0); (379984.6,
3743181.0, 21.0, 21.0, 0.0);
(379984.6, 3743431.0, 21.0, 21.0, 0.0); (379984.6,
3743681.0, 21.0, 21.0, 0.0);
(379984.6, 3743931.0, 21.0, 21.0, 0.0); (380822.9,
3742074.3, 19.2, 19.2, 0.0);
(380879.6, 3742074.3, 18.4, 18.4, 0.0); (380889.0,
3743693.5, 18.6, 18.6, 0.0);
(380835.5, 3743693.5, 19.3, 19.3, 0.0);

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 3, LA
I-110\Segment 3, LA I-110.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 09:11:30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
-15.69	L0000001	380822.9	3742074.3
-26.80	L0000001	380879.6	3742074.3
-30.56	L0000007	380884.6	3742431.0
-4.46	L0000008	380884.6	3742531.0
-28.61	L0000009	380884.6	3742531.0
-14.72	L0000010	380884.6	3742631.0
-22.22	L0000011	380884.6	3742631.0
-23.77	L0000012	380884.6	3742731.0
-13.34	L0000013	380884.6	3742731.0
-30.31	L0000014	380884.6	3742831.0
-3.25	L0000015	380884.6	3742831.0
-15.92	L0000029	380889.0	3743693.5
-13.45	L0000029	380835.5	3743693.5

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 3, LA I-110\Segment 3, LA I-110.isc *** 10/28/19
*** AERMET - VERSION 16216 ***
*** 09:11:30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

Surface station no.: 23129
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2012

Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-5.3	0.094	-9.000	-9.000	-999.	70.	14.3	0.10	2.68	
1.00	1.13	322.		7.9	282.0	2.0								
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	
1.00	0.00	0.		7.9	281.4	2.0								
12	01	01	1	03	-2.5	0.068	-9.000	-9.000	-999.	43.	11.4	0.10	2.68	
1.00	0.74	79.		7.9	280.9	2.0								
12	01	01	1	04	-3.2	0.075	-9.000	-9.000	-999.	49.	11.7	0.10	2.68	
1.00	0.86	137.		7.9	280.9	2.0								
12	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	
1.00	0.00	0.		7.9	280.4	2.0								
12	01	01	1	06	-5.2	0.093	-9.000	-9.000	-999.	68.	14.0	0.10	2.68	
1.00	1.11	92.		7.9	279.9	2.0								
12	01	01	1	07	-2.3	0.066	-9.000	-9.000	-999.	41.	11.5	0.10	2.68	
1.00	0.69	67.		7.9	278.8	2.0								
12	01	01	1	08	-1.7	0.060	-9.000	-9.000	-999.	36.	11.4	0.10	2.68	
0.54	0.65	91.		7.9	279.9	2.0								
12	01	01	1	09	36.2	-9.000	-9.000	-9.000	37.	-999.	-99999.0	0.10	2.68	
0.31	0.00	0.		7.9	283.8	2.0								
12	01	01	1	10	108.4	0.139	0.707	0.009	119.	124.	-2.3	0.10	2.68	
0.24	0.92	319.		7.9	287.5	2.0								
12	01	01	1	11	160.5	0.114	1.137	0.005	334.	93.	-1.0	0.10	2.68	
0.21	0.62	23.		7.9	292.5	2.0								
12	01	01	1	12	186.7	0.125	1.473	0.005	623.	105.	-1.0	0.10	2.68	
0.20	0.69	18.		7.9	295.4	2.0								
12	01	01	1	13	186.8	0.130	1.761	0.005	1065.	112.	-1.1	0.10	2.68	
0.20	0.74	250.		7.9	297.5	2.0								
12	01	01	1	14	161.7	0.150	1.834	0.005	1387.	139.	-1.9	0.10	2.68	
0.21	0.96	347.		7.9	300.4	2.0								
12	01	01	1	15	105.5	0.243	1.633	0.005	1499.	288.	-12.4	0.10	2.68	
0.24	2.11	194.		7.9	295.9	2.0								
12	01	01	1	16	32.4	0.211	1.109	0.005	1530.	233.	-26.3	0.10	2.68	
0.33	1.98	186.		7.9	295.4	2.0								
12	01	01	1	17	-20.5	0.250	-9.000	-9.000	-999.	300.	69.2	0.10	2.68	
0.60	2.81	293.		7.9	291.4	2.0								
12	01	01	1	18	-25.4	0.257	-9.000	-9.000	-999.	313.	72.8	0.10	2.68	
1.00	2.90	301.		7.9	288.1	2.0								
12	01	01	1	19	-21.0	0.211	-9.000	-9.000	-999.	233.	49.0	0.10	2.68	
1.00	2.40	313.		7.9	286.4	2.0								
12	01	01	1	20	-25.7	0.258	-9.000	-9.000	-999.	315.	73.3	0.10	2.68	

```

1.00  2.91  302.  7.9  286.4  2.0
  12 01 01  1 21 -22.5 0.225 -9.000 -9.000 -999. 256.  55.7 0.10  2.68
1.00  2.55  306.  7.9  285.4  2.0
  12 01 01  1 22  -9.3 0.126 -9.000 -9.000 -999. 111.  19.5 0.10  2.68
1.00  1.48  284.  7.9  285.9  2.0
  12 01 01  1 23 -21.4 0.214 -9.000 -9.000 -999. 237.  50.3 0.10  2.68
1.00  2.43  282.  7.9  285.4  2.0
  12 01 01  1 24 -30.1 0.300 -9.000 -9.000 -999. 394.  98.9 0.10  2.68
1.00  3.36  300.  7.9  284.2  2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F  WDIR      WSPD AMB_TMP sigmaA  sigmaW  sigmaV
12 01 01 01    7.9 1  322.    1.13  282.1  99.0  -99.00 -99.00

```

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

```

^ *** AERMOD - VERSION 18081 ***      *** C:\Lakes\AERMOD View\Segment 3, LA
I-110\Segment 3, LA I-110.isc      ***      10/28/19
*** AERMET - VERSION 16216 ***      ***
***      09:11:30

```

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```

*** MODELOPTs:   RegDFault  CONC  ELEV  URBAN  ADJ_U*

```

```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL      ***
      INCLUDING SOURCE(S):  L0000001  , L0000002
, L0000003  , L0000004  , L0000005  ,
      L0000006  , L0000007  , L0000008  , L0000009  , L0000010
, L0000011  , L0000012  , L0000013  ,
      L0000014  , L0000015  , L0000016  , L0000017  , L0000018
, L0000019  , L0000020  , L0000021  ,
      L0000022  , L0000023  , L0000024  , L0000025  , L0000026
, L0000027  , L0000028  , L0000029  ,

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

```

      X-COORD (M)  Y-COORD (M)      CONC      X-COORD (M)
Y-COORD (M)      CONC
-----
      380484.56  3742431.00      98.22217      380484.56
3742531.00      104.52600
      380484.56  3742631.00      109.39435      380484.56
3742731.00      113.03277
      380484.56  3742831.00      115.55760      380484.56

```

3742931.00	117.11159			
	380484.56	3743031.00	117.71927	380484.56
3743131.00	117.34665			
	380484.56	3743231.00	115.87430	380484.56
3743331.00	113.03487			
	380484.56	3743431.00	108.30116	380584.56
3742431.00	139.75388			
	380584.56	3742531.00	148.13101	380584.56
3742631.00	154.22622			
	380584.56	3742731.00	158.58351	380584.56
3742831.00	161.49396			
	380584.56	3742931.00	163.13609	380584.56
3743031.00	163.59049			
	380584.56	3743131.00	162.83273	380584.56
3743231.00	160.70687			
	380584.56	3743331.00	156.85201	380584.56
3743431.00	150.49130			
	380684.56	3742431.00	227.40504	380684.56
3742531.00	238.03279			
	380684.56	3742631.00	245.14446	380684.56
3742731.00	249.80703			
	380684.56	3742831.00	252.62055	380684.56
3742931.00	253.92403			
	380684.56	3743031.00	253.87793	380684.56
3743131.00	252.45328			
	380684.56	3743231.00	249.39611	380684.56
3743331.00	244.10924			
	380684.56	3743431.00	235.31345	380784.56
3742431.00	537.26737			
	380784.56	3742531.00	547.16217	380784.56
3742631.00	552.78579			
	380784.56	3742731.00	555.75109	380784.56
3742831.00	556.18612			
	380784.56	3742931.00	554.73882	380784.56
3743031.00	551.84255			
	380784.56	3743131.00	547.72118	380784.56
3743231.00	541.78780			
	380784.56	3743331.00	532.96464	380784.56
3743431.00	519.38087			
	380884.56	3742431.00	770.28508	380884.56
3742531.00	512.85932			
	380884.56	3742631.00	479.95955	380884.56
3742731.00	475.13619			
	380884.56	3742831.00	498.26532	380984.56
3742431.00	421.32449			
	380984.56	3742531.00	431.56532	380984.56
3742631.00	438.75361			
	380984.56	3742731.00	443.81837	380984.56
3742831.00	447.33840			
	380984.56	3742931.00	449.58066	380984.56

3743031.00	450.41005			
	380984.56	3743131.00	449.47626	380984.56
3743231.00	446.20637			
	380984.56	3743331.00	438.83757	380984.56
3743431.00	422.83189			
	381084.56	3742431.00	246.08558	381084.56
3742531.00	252.50673			
	381084.56	3742631.00	257.08267	381084.56
3742731.00	260.22649			
	381084.56	3742831.00	262.09643	381084.56
3742931.00	262.67443			
	381084.56	3743031.00	261.84185	381084.56
3743131.00	259.16960			
	381084.56	3743231.00	253.68934	381084.56
3743331.00	243.08755			
	381084.56	3743431.00	221.06061	381184.56
3742431.00	173.54582			
	381184.56	3742531.00	177.55108	381184.56
3742631.00	180.37823			
	381184.56	3742731.00	182.12819	381184.56
3742831.00	182.83544			
	381184.56	3742931.00	182.38597	381184.56
3743031.00	180.50022			
	381184.56	3743131.00	176.61130	381184.56
3743231.00	169.39441			

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 I-110\Segment 3, LA I-110.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 09:11:30

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	CONC	X-COORD (M)
3743431.00	381184.56	3743331.00	156.14498		381184.56
3742531.00	381284.56	3742431.00	133.65305		381284.56
3742731.00	381284.56	3742631.00	137.81402		381284.56
3742931.00	381284.56	3742831.00	138.38190		381284.56
3743131.00	381284.56	3743031.00	134.24930		381284.56
3743331.00	381284.56	3743231.00	120.36040		381284.56
3742431.00	381284.56	3743431.00	87.47556		381384.56
3742631.00	381384.56	3742531.00	110.21414		381384.56
3742831.00	381384.56	3742731.00	111.02031		381384.56
3743031.00	381384.56	3742931.00	108.00150		381384.56
3743231.00	381384.56	3743131.00	98.01494		381384.56
3743431.00	381384.56	3743331.00	75.91745		381384.56
3742531.00	381484.56	3742431.00	90.54729		381484.56
3742731.00	381484.56	3742631.00	91.54197		381484.56
3742931.00	381484.56	3742831.00	89.38454		381484.56
3743131.00	381484.56	3743031.00	82.02574		381484.56
3743331.00	381484.56	3743231.00	66.40502		381484.56
3743681.00	381484.56	3743431.00	47.34213		380484.56
3743681.00	380484.56	3743931.00	58.00889		380734.56
3743681.00	380734.56	3743931.00	84.85269		380984.56
3743681.00	380984.56	3743931.00	72.42786		381234.56
3743681.00	381234.56	3743931.00	40.09128		381484.56
3743681.00	381484.56	3743931.00	25.85246		381734.56
3743681.00	22.62165				

3743681.00	381734.56	3743931.00	18.52221	381984.56
	16.62757			
3743431.00	381984.56	3743931.00	14.16041	381734.56
	28.38332			
3742931.00	381734.56	3743181.00	39.13248	381734.56
	52.09205			
3742431.00	381734.56	3742681.00	59.80766	381734.56
	62.11684			
3741931.00	381734.56	3742181.00	61.01671	381734.56
	57.42965			
3743181.00	381984.56	3743431.00	19.67014	381984.56
	24.70040			
3742681.00	381984.56	3742931.00	32.69894	381984.56
	40.32118			
3742181.00	381984.56	3742431.00	44.64412	381984.56
	45.80752			
3742181.00	381984.56	3741931.00	44.86416	381484.56
	85.68607			
3742181.00	381484.56	3741931.00	76.43956	381234.56
	137.33559			
3742181.00	381234.56	3741931.00	108.13797	380984.56
	365.56552			
3742181.00	380984.56	3741931.00	129.16382	380734.56
	246.88146			
3742181.00	380734.56	3741931.00	72.44302	380484.56
	74.48926			
3742181.00	380484.56	3741931.00	44.86917	380234.56
	43.03546			
3742181.00	380234.56	3741931.00	30.62978	379984.56
	29.90982			
3742431.00	379984.56	3741931.00	23.25619	380234.56
	53.23793			
3742931.00	380234.56	3742681.00	60.45840	380234.56
	64.04923			

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 3, LA
 I-110\Segment 3, LA I-110.isc *** 10/28/19
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 *** 09:11:30

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,

, L000027 , L000022 , L000023 , L000024 , L000025 , L000026
 , L000028 , L000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
380234.56	3743181.00	64.07630	380234.56
3743431.00	59.56839		
380234.56	3743681.00	50.24797	380234.56
3743931.00	40.11912		
379984.56	3742431.00	35.43774	379984.56
3742681.00	39.04120		
379984.56	3742931.00	41.33824	379984.56
3743181.00	41.32246		
379984.56	3743431.00	38.62032	379984.56
3743681.00	34.03137		
379984.56	3743931.00	29.10153	380822.87
3742074.33	192.26662		
380879.57	3742074.33	278.61471	380889.02
3743693.49	258.40010		
380835.47	3743693.49	280.26978	

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 3, LA
 I-110\Segment 3, LA I-110.isc *** 10/28/19
 *** AERMET - VERSION 16216 ***
 *** 09:11:30

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

NETWORK

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

ALL	1ST HIGHEST VALUE IS	770.28508 AT (	380884.56,	3742431.00,
18.44,	18.44, 0.00) DC			
	2ND HIGHEST VALUE IS	556.18612 AT (	380784.56,	3742831.00,
19.81,	19.81, 0.00) DC			
	3RD HIGHEST VALUE IS	555.75109 AT (	380784.56,	3742731.00,
19.79,	19.79, 0.00) DC			
	4TH HIGHEST VALUE IS	554.73882 AT (	380784.56,	3742931.00,
19.82,	19.82, 0.00) DC			
	5TH HIGHEST VALUE IS	552.78579 AT (	380784.56,	3742631.00,
19.77,	19.77, 0.00) DC			
	6TH HIGHEST VALUE IS	551.84255 AT (	380784.56,	3743031.00,
19.84,	19.84, 0.00) DC			
	7TH HIGHEST VALUE IS	547.72118 AT (	380784.56,	3743131.00,
19.85,	19.85, 0.00) DC			
	8TH HIGHEST VALUE IS	547.16217 AT (	380784.56,	3742531.00,
19.76,	19.76, 0.00) DC			
	9TH HIGHEST VALUE IS	541.78780 AT (	380784.56,	3743231.00,
19.87,	19.87, 0.00) DC			
	10TH HIGHEST VALUE IS	537.26737 AT (	380784.56,	3742431.00,
19.74,	19.74, 0.00) DC			

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

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 3, LA I-110\Segment 3, LA I-110.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 09:11:30

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

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

A Total of	0 Fatal Error Message(s)
A Total of	2 Warning Message(s)
A Total of	1017 Informational Message(s)
A Total of	43848 Hours Were Processed
A Total of	747 Calm Hours Identified
A Total of	270 Missing Hours Identified (0.62 Percent)

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

***** WARNING MESSAGES *****
ME W186 137 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 137 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 4, LA I-710\Segment 4, LA I-710.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 4, LA I-710\Segment 4, LA I-710.isc
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 97550
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 4, LA I-710.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 67.00
** Configuration = Adjacent
** Emission Rate = 23.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 4
** 390327.790, 3751957.600, 29.00, 2.00, 31.16
** 390256.180, 3751725.600, 29.00, 2.00, 31.16
** 390083.100, 3750558.360, 29.00, 2.00, 31.16
** 390039.340, 3750428.420, 28.97, 2.00, 31.16

```

**

LOCATION L0000001 VOLUME 390317.910 3751925.590 29.00
LOCATION L0000002 VOLUME 390298.149 3751861.570 29.00
LOCATION L0000003 VOLUME 390278.389 3751797.551 29.00
LOCATION L0000004 VOLUME 390258.628 3751733.531 29.00
LOCATION L0000005 VOLUME 390247.570 3751667.535 29.00
LOCATION L0000006 VOLUME 390237.743 3751601.260 29.00
LOCATION L0000007 VOLUME 390227.915 3751534.984 29.00
LOCATION L0000008 VOLUME 390218.088 3751468.709 29.00
LOCATION L0000009 VOLUME 390208.260 3751402.434 29.00
LOCATION L0000010 VOLUME 390198.433 3751336.158 29.00
LOCATION L0000011 VOLUME 390188.606 3751269.883 29.00
LOCATION L0000012 VOLUME 390178.778 3751203.608 29.00
LOCATION L0000013 VOLUME 390168.951 3751137.332 29.00
LOCATION L0000014 VOLUME 390159.123 3751071.057 29.00
LOCATION L0000015 VOLUME 390149.296 3751004.782 29.00
LOCATION L0000016 VOLUME 390139.469 3750938.506 29.00
LOCATION L0000017 VOLUME 390129.641 3750872.231 29.00
LOCATION L0000018 VOLUME 390119.814 3750805.956 29.00
LOCATION L0000019 VOLUME 390109.986 3750739.680 29.00
LOCATION L0000020 VOLUME 390100.159 3750673.405 29.00
LOCATION L0000021 VOLUME 390090.332 3750607.130 29.00
LOCATION L0000022 VOLUME 390077.452 3750541.588 29.00
LOCATION L0000023 VOLUME 390056.068 3750478.092 29.00

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001	1.0	2.00	31.16	0.93
SRCPARAM L0000002	1.0	2.00	31.16	0.93
SRCPARAM L0000003	1.0	2.00	31.16	0.93
SRCPARAM L0000004	1.0	2.00	31.16	0.93
SRCPARAM L0000005	1.0	2.00	31.16	0.93
SRCPARAM L0000006	1.0	2.00	31.16	0.93
SRCPARAM L0000007	1.0	2.00	31.16	0.93
SRCPARAM L0000008	1.0	2.00	31.16	0.93
SRCPARAM L0000009	1.0	2.00	31.16	0.93
SRCPARAM L0000010	1.0	2.00	31.16	0.93
SRCPARAM L0000011	1.0	2.00	31.16	0.93
SRCPARAM L0000012	1.0	2.00	31.16	0.93
SRCPARAM L0000013	1.0	2.00	31.16	0.93
SRCPARAM L0000014	1.0	2.00	31.16	0.93
SRCPARAM L0000015	1.0	2.00	31.16	0.93
SRCPARAM L0000016	1.0	2.00	31.16	0.93
SRCPARAM L0000017	1.0	2.00	31.16	0.93
SRCPARAM L0000018	1.0	2.00	31.16	0.93
SRCPARAM L0000019	1.0	2.00	31.16	0.93
SRCPARAM L0000020	1.0	2.00	31.16	0.93
SRCPARAM L0000021	1.0	2.00	31.16	0.93
SRCPARAM L0000022	1.0	2.00	31.16	0.93
SRCPARAM L0000023	1.0	2.00	31.16	0.93

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 4, LA I-710.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\kheck\Desktop\MET

Data\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.SFC"

PROFFILE "C:\Users\kheck\Desktop\MET

Data\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.PFL"

SURFDATA 23129 2012

UAIRDATA 3190 2012

PROFBASE 7.3 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "Segment 4, LA I-710.AD\AN00GALL.PLT" 31

SUMMFILE "Segment 4, LA I-710.sum"

OU FINISHED

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

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

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

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

***** WARNING MESSAGES *****
ME W186 126 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 126 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 4, LA
I-710\Segment 4, LA I-710.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 09:43:12

PAGE 1
*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 23 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 97550.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
ADJ_U* - Use ADJ_U* option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates ANNUAL Averages Only

**This Run Includes: 23 Source(s); 1 Source Group(s); and 149 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 23 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 7.30 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

L0000014	0	0.10000E+01	390159.1	3751071.1	29.0	2.00	31.16
0.93	YES						
L0000015	0	0.10000E+01	390149.3	3751004.8	29.0	2.00	31.16
0.93	YES						
L0000016	0	0.10000E+01	390139.5	3750938.5	29.0	2.00	31.16
0.93	YES						
L0000017	0	0.10000E+01	390129.6	3750872.2	29.0	2.00	31.16
0.93	YES						
L0000018	0	0.10000E+01	390119.8	3750806.0	29.0	2.00	31.16
0.93	YES						
L0000019	0	0.10000E+01	390110.0	3750739.7	29.0	2.00	31.16
0.93	YES						
L0000020	0	0.10000E+01	390100.2	3750673.4	29.0	2.00	31.16
0.93	YES						
L0000021	0	0.10000E+01	390090.3	3750607.1	29.0	2.00	31.16
0.93	YES						
L0000022	0	0.10000E+01	390077.5	3750541.6	29.0	2.00	31.16
0.93	YES						
L0000023	0	0.10000E+01	390056.1	3750478.1	29.0	2.00	31.16
0.93	YES						

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 4, LA
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 *** AERMET - VERSION 16216 *** ***
 *** 09:43:12

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006	, L0000007 , L0000008 ,
L0000014	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
	, L0000015 , L0000016 ,
L0000022	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
	, L0000023 ,

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 4, LA
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs			
-----	-----	-----	-----	-----	-----
L000005	97550.	L000001	L000002	L000003	L000004
L000008	, L000006	, L000007	,		
L000014	L000009	L000010	L000011	L000012	L000013
	, L000015	, L000016	,		
L000022	L000017	L000018	L000019	L000020	L000021
	, L000023	,			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

```

  ( 390182.8, 3751993.0,  29.0,      29.0,      0.0);      ( 390182.8,
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BE PERFORMED *
 FASTAREA/FASTALL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
-14.51	L000001	390352.8	3751964.8
0.37	L000003	390311.8	3751739.1
-13.53	L000004	390311.8	3751739.1
-18.08	L000005	390199.0	3751662.1
-10.10	L000016	390082.8	3750943.0
-11.74	L000017	390082.8	3750843.0
-14.59	L000018	390082.8	3750843.0
-2.83	L000018	390178.4	3750779.9
-39.56	L000019	390082.8	3750743.0
-13.23	L000019	390070.7	3750702.9
-25.30	L000020	390070.7	3750702.9
-14.61	L000023	390014.3	3750446.5

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 *** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

PROCESSING ***

*** METEOROLOGICAL DAYS SELECTED FOR
 (1=YES; 0=NO)

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-5.3	0.094	-9.000	-9.000	-999.	70.	14.3	0.10	2.68	
1.00	1.13	322.			7.9	282.0	2.0							
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	
1.00	0.00	0.			7.9	281.4	2.0							
12	01	01	1	03	-2.5	0.068	-9.000	-9.000	-999.	43.	11.4	0.10	2.68	
1.00	0.74	79.			7.9	280.9	2.0							
12	01	01	1	04	-3.2	0.075	-9.000	-9.000	-999.	49.	11.7	0.10	2.68	
1.00	0.86	137.			7.9	280.9	2.0							
12	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	
1.00	0.00	0.			7.9	280.4	2.0							
12	01	01	1	06	-5.2	0.093	-9.000	-9.000	-999.	68.	14.0	0.10	2.68	
1.00	1.11	92.			7.9	279.9	2.0							
12	01	01	1	07	-2.3	0.066	-9.000	-9.000	-999.	41.	11.5	0.10	2.68	
1.00	0.69	67.			7.9	278.8	2.0							
12	01	01	1	08	-1.7	0.060	-9.000	-9.000	-999.	36.	11.4	0.10	2.68	
0.54	0.65	91.			7.9	279.9	2.0							
12	01	01	1	09	36.2	-9.000	-9.000	-9.000	37.	-999.	-99999.0	0.10	2.68	
0.31	0.00	0.			7.9	283.8	2.0							
12	01	01	1	10	108.4	0.139	0.707	0.009	119.	124.	-2.3	0.10	2.68	
0.24	0.92	319.			7.9	287.5	2.0							
12	01	01	1	11	160.5	0.114	1.137	0.005	334.	93.	-1.0	0.10	2.68	
0.21	0.62	23.			7.9	292.5	2.0							
12	01	01	1	12	186.7	0.125	1.473	0.005	623.	105.	-1.0	0.10	2.68	
0.20	0.69	18.			7.9	295.4	2.0							
12	01	01	1	13	186.8	0.130	1.761	0.005	1065.	112.	-1.1	0.10	2.68	
0.20	0.74	250.			7.9	297.5	2.0							
12	01	01	1	14	161.7	0.150	1.834	0.005	1387.	139.	-1.9	0.10	2.68	
0.21	0.96	347.			7.9	300.4	2.0							
12	01	01	1	15	105.5	0.243	1.633	0.005	1499.	288.	-12.4	0.10	2.68	
0.24	2.11	194.			7.9	295.9	2.0							
12	01	01	1	16	32.4	0.211	1.109	0.005	1530.	233.	-26.3	0.10	2.68	
0.33	1.98	186.			7.9	295.4	2.0							
12	01	01	1	17	-20.5	0.250	-9.000	-9.000	-999.	300.	69.2	0.10	2.68	
0.60	2.81	293.			7.9	291.4	2.0							
12	01	01	1	18	-25.4	0.257	-9.000	-9.000	-999.	313.	72.8	0.10	2.68	
1.00	2.90	301.			7.9	288.1	2.0							
12	01	01	1	19	-21.0	0.211	-9.000	-9.000	-999.	233.	49.0	0.10	2.68	
1.00	2.40	313.			7.9	286.4	2.0							
12	01	01	1	20	-25.7	0.258	-9.000	-9.000	-999.	315.	73.3	0.10	2.68	
1.00	2.91	302.			7.9	286.4	2.0							
12	01	01	1	21	-22.5	0.225	-9.000	-9.000	-999.	256.	55.7	0.10	2.68	
1.00	2.55	306.			7.9	285.4	2.0							
12	01	01	1	22	-9.3	0.126	-9.000	-9.000	-999.	111.	19.5	0.10	2.68	
1.00	1.48	284.			7.9	285.9	2.0							

```

12 01 01 1 23 -21.4 0.214 -9.000 -9.000 -999. 237. 50.3 0.10 2.68
1.00 2.43 282. 7.9 285.4 2.0
12 01 01 1 24 -30.1 0.300 -9.000 -9.000 -999. 394. 98.9 0.10 2.68
1.00 3.36 300. 7.9 284.2 2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
12 01 01 01 7.9 1 322. 1.13 282.1 99.0 -99.00 -99.00

```

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

```

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 4, LA
I-710\Segment 4, LA I-710.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 09:43:12

```

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 ,

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
389682.75	3750743.00	60.50946	389682.75
3750843.00	63.41042		
389682.75	3750943.00	65.12493	389682.75
3751043.00	65.90922		
389682.75	3751143.00	65.95636	389682.75
3751243.00	65.36317		
389682.75	3751343.00	64.18958	389682.75
3751443.00	62.44595		
389682.75	3751543.00	60.07132	389682.75
3751643.00	56.99102		
389682.75	3751743.00	53.19434	389782.75

3750743.00	88.81984			
	389782.75	3750843.00	92.05585	389782.75
3750943.00	93.40461			
	389782.75	3751043.00	93.40298	389782.75
3751143.00	92.39161			
	389782.75	3751243.00	90.58387	389782.75
3751343.00	88.09671			
	389782.75	3751443.00	84.95973	389782.75
3751543.00	81.10070			
	389782.75	3751643.00	76.33249	389782.75
3751743.00	70.49517			
	389882.75	3750743.00	138.74329	389882.75
3750843.00	139.84123			
	389882.75	3750943.00	138.33937	389882.75
3751043.00	135.27970			
	389882.75	3751143.00	131.23801	389882.75
3751243.00	126.52614			
	389882.75	3751343.00	121.29165	389882.75
3751443.00	115.55391			
	389882.75	3751543.00	109.18452	389882.75
3751643.00	101.82366			
	389882.75	3751743.00	92.95889	389982.75
3750743.00	263.09116			
	389982.75	3750843.00	247.56481	389982.75
3750943.00	232.25010			
	389982.75	3751043.00	217.78762	389982.75
3751143.00	204.25416			
	389982.75	3751243.00	191.55539	389982.75
3751343.00	179.46306			
	389982.75	3751443.00	167.72563	389982.75
3751543.00	155.96748			
	389982.75	3751643.00	143.51921	389982.75
3751743.00	129.08782			
	390082.75	3750743.00	488.92433	390082.75
3750843.00	279.09478			
	390082.75	3750943.00	402.88828	390082.75
3751043.00	510.19148			
	390082.75	3751143.00	426.96129	390082.75
3751243.00	368.42811			
	390082.75	3751343.00	324.26681	390082.75
3751443.00	288.96975			
	390082.75	3751543.00	258.87776	390082.75
3751643.00	231.24860			
	390082.75	3751743.00	202.17441	390182.75
3751643.00	591.30637			
	390182.75	3751743.00	456.49925	390382.75
3750743.00	171.62619			
	390382.75	3750843.00	185.07146	390482.75
3750743.00	128.59661			
	390482.75	3750843.00	136.40452	390482.75

3751443.00	177.44110			
	390482.75	3751543.00	182.08221	390482.75
3751643.00	185.83899			
	390582.75	3750743.00	102.69765	390582.75
3750843.00	107.70295			
	390582.75	3750943.00	112.31381	390582.75
3751043.00	116.54259			
	390582.75	3751143.00	120.34220	390582.75
3751243.00	123.57643			
	390582.75	3751343.00	125.97862	390582.75
3751443.00	127.14334			
	390582.75	3751543.00	126.52731	390582.75
3751643.00	122.23621			
	390582.75	3751743.00	108.23284	390682.75
3750743.00	85.15317			
	390682.75	3750843.00	88.48758	390682.75
3750943.00	91.41864			
	390682.75	3751043.00	93.90214	390682.75
3751143.00	95.84125			

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 4, LA
 I-710\Segment 4, LA I-710.isc *** 10/28/19
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 *** 09:43:12

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
390682.75	3751243.00	97.05128	390682.75
3751343.00	97.23182		
390682.75	3751443.00	95.90629	390682.75

3751543.00	92.05185			
	390682.75	3751643.00	83.48406	390682.75
3751743.00	68.97966			
	389682.75	3751993.00	42.33679	389682.75
3752243.00	32.48824			
	389932.75	3751993.00	74.51276	389932.75
3752243.00	47.49135			
	390182.75	3751993.00	170.00607	390182.75
3752243.00	62.25947			
	390432.75	3752243.00	49.99926	390682.75
3751993.00	40.34123			
	390682.75	3752243.00	27.78099	390932.75
3751993.00	23.72193			
	390932.75	3752243.00	18.39039	391182.75
3751993.00	16.30106			
	391182.75	3752243.00	13.44042	390932.75
3751743.00	32.17377			
	390932.75	3751493.00	47.95525	390932.75
3751243.00	58.14256			
	390932.75	3750993.00	60.23962	390932.75
3750743.00	58.31869			
	390932.75	3750493.00	54.20501	390932.75
3750243.00	48.36674			
	391182.75	3751743.00	20.07554	391182.75
3751493.00	27.09891			
	391182.75	3751243.00	36.06316	391182.75
3750993.00	41.29783			
	391182.75	3750743.00	42.50689	391182.75
3750493.00	41.33185			
	391182.75	3750243.00	38.70051	390682.75
3750493.00	75.15488			
	390682.75	3750243.00	61.74485	390432.75
3750493.00	119.04036			
	390432.75	3750243.00	77.37497	390182.75
3750243.00	67.57039			
	389932.75	3750493.00	151.66327	389932.75
3750243.00	44.46284			
	389682.75	3750493.00	47.06259	389682.75
3750243.00	28.75676			
	389432.75	3750493.00	28.54641	389432.75
3750243.00	20.84567			
	389182.75	3750493.00	20.47982	389182.75
3750243.00	16.35124			
	389432.75	3750743.00	34.63782	389432.75
3750993.00	38.37889			
	389432.75	3751243.00	39.38593	389432.75
3751493.00	37.92299			
	389432.75	3751743.00	34.10793	389432.75
3751993.00	29.16249			
	389432.75	3752243.00	24.34389	389182.75

3750743.00	23.81752			
	389182.75	3750993.00	26.10230	389182.75
3751243.00	26.99056			
	389182.75	3751493.00	26.24341	389182.75
3751743.00	24.13322			
	389182.75	3751993.00	21.45395	389182.75
3752243.00	18.74407			
	389888.48	3751448.38	117.44836	390014.31
3750446.47	112.93901			
	390101.50	3750420.82	347.57257	390178.44
3750779.88	410.02595			
	390311.81	3751739.06	257.98328	390352.84
3751964.76	150.92756			
	390270.77	3751980.14	350.28390	390198.96
3751662.12	451.74716			
	390070.73	3750702.94	272.60816	

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 4, LA
 I-710\Segment 4, LA I-710.isc *** 10/28/19
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 *** 09:43:12

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	591.30637 AT (	390182.75, 3751643.00,
29.00,	29.00, 0.00) DC		
	2ND HIGHEST VALUE IS	510.19148 AT (	390082.75, 3751043.00,
29.00,	29.00, 0.00) DC		
	3RD HIGHEST VALUE IS	488.92433 AT (	390082.75, 3750743.00,
29.00,	29.00, 0.00) DC		
	4TH HIGHEST VALUE IS	456.49925 AT (	390182.75, 3751743.00,
29.00,	29.00, 0.00) DC		
	5TH HIGHEST VALUE IS	451.74716 AT (	390198.96, 3751662.12,
29.00,	29.00, 0.00) DC		
	6TH HIGHEST VALUE IS	426.96129 AT (	390082.75, 3751143.00,

29.00, 29.00, 0.00) DC
7TH HIGHEST VALUE IS 410.02595 AT (390178.44, 3750779.88,
29.00, 29.00, 0.00) DC
8TH HIGHEST VALUE IS 402.88828 AT (390082.75, 3750943.00,
29.00, 29.00, 0.00) DC
9TH HIGHEST VALUE IS 368.42811 AT (390082.75, 3751243.00,
29.00, 29.00, 0.00) DC
10TH HIGHEST VALUE IS 350.28390 AT (390270.77, 3751980.14,
29.00, 29.00, 0.00) DC

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

*** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 4, LA
I-710\Segment 4, LA I-710.isc *** 10/28/19
*** AERMET - VERSION 16216 ***
*** 09:43:12

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1017 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 747 Calm Hours Identified

A Total of 270 Missing Hours Identified (0.62 Percent)

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

***** WARNING MESSAGES *****
ME W186 126 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 126 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 5, LA SR-60 DB\Segment 5, LA SR-60 DB.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 5, LA SR-60 DB\Segment 5, LA SR-60 DB.i
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 56793
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 5, LA SR-60 DB.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 56.00
** Configuration = Adjacent
** Emission Rate = 29.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 5
** 426025.770, 3765446.350, 238.01, 2.00, 26.05
** 425364.450, 3765194.950, 242.42, 2.00, 26.05
** 425070.270, 3765055.580, 219.13, 2.00, 26.05
** 424880.610, 3764863.090, 220.40, 2.00, 26.05

```

** 424689.830, 3764610.670, 222.18, 2.00, 26.05

**

LOCATION L0000001	VOLUME	425999.597	3765436.400	239.29
LOCATION L0000002	VOLUME	425947.252	3765416.501	239.65
LOCATION L0000003	VOLUME	425894.907	3765396.602	245.62
LOCATION L0000004	VOLUME	425842.561	3765376.703	250.04
LOCATION L0000005	VOLUME	425790.216	3765356.804	242.64
LOCATION L0000006	VOLUME	425737.871	3765336.905	241.52
LOCATION L0000007	VOLUME	425685.526	3765317.006	238.30
LOCATION L0000008	VOLUME	425633.180	3765297.107	232.06
LOCATION L0000009	VOLUME	425580.835	3765277.208	235.97
LOCATION L0000010	VOLUME	425528.490	3765257.309	239.14
LOCATION L0000011	VOLUME	425476.144	3765237.410	232.71
LOCATION L0000012	VOLUME	425423.799	3765217.511	240.46
LOCATION L0000013	VOLUME	425371.454	3765197.612	243.92
LOCATION L0000014	VOLUME	425320.613	3765174.182	235.61
LOCATION L0000015	VOLUME	425270.006	3765150.206	238.28
LOCATION L0000016	VOLUME	425219.398	3765126.230	240.43
LOCATION L0000017	VOLUME	425168.790	3765102.255	229.90
LOCATION L0000018	VOLUME	425118.182	3765078.279	219.32
LOCATION L0000019	VOLUME	425068.176	3765053.455	218.68
LOCATION L0000020	VOLUME	425028.873	3765033.565	221.46
LOCATION L0000021	VOLUME	424989.569	3764973.675	224.55
LOCATION L0000022	VOLUME	424950.265	3764933.785	223.63
LOCATION L0000023	VOLUME	424910.962	3764893.895	221.80
LOCATION L0000024	VOLUME	424872.919	3764852.914	219.97
LOCATION L0000025	VOLUME	424839.154	3764808.239	220.91
LOCATION L0000026	VOLUME	424805.388	3764763.564	219.92
LOCATION L0000027	VOLUME	424771.622	3764718.889	222.61
LOCATION L0000028	VOLUME	424737.856	3764674.214	223.98
LOCATION L0000029	VOLUME	424704.091	3764629.538	223.39

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001	1.0	2.00	26.05	0.93
SRCPARAM L0000002	1.0	2.00	26.05	0.93
SRCPARAM L0000003	1.0	2.00	26.05	0.93
SRCPARAM L0000004	1.0	2.00	26.05	0.93
SRCPARAM L0000005	1.0	2.00	26.05	0.93
SRCPARAM L0000006	1.0	2.00	26.05	0.93
SRCPARAM L0000007	1.0	2.00	26.05	0.93
SRCPARAM L0000008	1.0	2.00	26.05	0.93
SRCPARAM L0000009	1.0	2.00	26.05	0.93
SRCPARAM L0000010	1.0	2.00	26.05	0.93
SRCPARAM L0000011	1.0	2.00	26.05	0.93
SRCPARAM L0000012	1.0	2.00	26.05	0.93
SRCPARAM L0000013	1.0	2.00	26.05	0.93
SRCPARAM L0000014	1.0	2.00	26.05	0.93
SRCPARAM L0000015	1.0	2.00	26.05	0.93
SRCPARAM L0000016	1.0	2.00	26.05	0.93

SRCPARAM L0000017	1.0	2.00	26.05	0.93
SRCPARAM L0000018	1.0	2.00	26.05	0.93
SRCPARAM L0000019	1.0	2.00	26.05	0.93
SRCPARAM L0000020	1.0	2.00	26.05	0.93
SRCPARAM L0000021	1.0	2.00	26.05	0.93
SRCPARAM L0000022	1.0	2.00	26.05	0.93
SRCPARAM L0000023	1.0	2.00	26.05	0.93
SRCPARAM L0000024	1.0	2.00	26.05	0.93
SRCPARAM L0000025	1.0	2.00	26.05	0.93
SRCPARAM L0000026	1.0	2.00	26.05	0.93
SRCPARAM L0000027	1.0	2.00	26.05	0.93
SRCPARAM L0000028	1.0	2.00	26.05	0.93
SRCPARAM L0000029	1.0	2.00	26.05	0.93

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 5, LA SR-60 DB.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\kheck\Desktop\MET Data\PicoRiveraADJU

(1)\PICO_V9_ADJU\PICO_v9.SFC"

PROFFILE "C:\Users\kheck\Desktop\MET Data\PicoRiveraADJU

(1)\PICO_V9_ADJU\PICO_v9.PFL"

SURFDATA 3166 2010

UAIRDATA 3190 2010

SITEDATA 99999 2010

PROFBASE 46.6 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "Segment 5, LA SR-60 DB.AD\AN00GALL.PLT" 31
SUMMFILE "Segment 5, LA SR-60 DB.sum"
OU FINISHED

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

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

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

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

***** WARNING MESSAGES *****
ME W186 140 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
ME W187 140 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 5, LA SR-60
DB\Segment 5, LA SR-60 DB.i *** 10/28/19
*** AERMET - VERSION 16216 *** ***
 *** 10:02:30

 PAGE 1
*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

 *** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 29 Source(s),

for Total of 1 Urban Area(s):
Urban Population = 56793.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates ANNUAL Averages Only

**This Run Includes: 29 Source(s); 1 Source Group(s); and 185
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 29 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 46.60 ; Decay
 Coef. = 0.000 ; Rot. Angle = 0.0
 Emission Units = GRAMS/SEC ;
 Emission Rate Unit Factor = 0.10000E+07
 Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 5, LA SR-60 DB.err

**File for Summary of Results: Segment 5, LA SR-60 DB.sum

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 5, LA SR-60
 DB\Segment 5, LA SR-60 DB.i *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 10:02:30

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
EMISSION	SOURCE	EMISSION	RATE		ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)
(METERS)	ID	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)
L0000001		0	0.10000E+01	425999.6	3765436.4	239.3	26.05
0.93	YES						
L0000002		0	0.10000E+01	425947.3	3765416.5	239.7	26.05
0.93	YES						
L0000003		0	0.10000E+01	425894.9	3765396.6	245.6	26.05
0.93	YES						
L0000004		0	0.10000E+01	425842.6	3765376.7	250.0	26.05
0.93	YES						
L0000005		0	0.10000E+01	425790.2	3765356.8	242.6	26.05
0.93	YES						
L0000006		0	0.10000E+01	425737.9	3765336.9	241.5	26.05
0.93	YES						
L0000007		0	0.10000E+01	425685.5	3765317.0	238.3	26.05

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs				
-----	-----				
ALL	L0000001	, L0000002	, L0000003	, L0000004	, L0000005
L0000006	, L0000007	, L0000008	,		
	L0000009	, L0000010	, L0000011	, L0000012	, L0000013
L0000014	, L0000015	, L0000016	,		
	L0000017	, L0000018	, L0000019	, L0000020	, L0000021
L0000022	, L0000023	, L0000024	,		
	L0000025	, L0000026	, L0000027	, L0000028	, L0000029
▲ *** AERMOD - VERSION 18081 ***	*** C:\Lakes\AERMOD View\Segment 5, LA SR-60				
DB\Segment 5, LA SR-60 DB.i ***	10/28/19				
*** AERMET - VERSION 16216 ***	***				
***	10:02:30				

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----	-----				
	56793.	L0000001	, L0000002	, L0000003	, L0000004	,
L0000005	, L0000006	, L0000007	,			
L0000008	,					
	L0000009	, L0000010	, L0000011	, L0000012	, L0000013	,
L0000014	, L0000015	, L0000016	,			
	L0000017	, L0000018	, L0000019	, L0000020	, L0000021	,
L0000022	, L0000023	, L0000024	,			
	L0000025	, L0000026	, L0000027	, L0000028	, L0000029	,
▲ *** AERMOD - VERSION 18081 ***	*** C:\Lakes\AERMOD View\Segment 5, LA SR-60					
DB\Segment 5, LA SR-60 DB.i ***	10/28/19					

*** AERMET - VERSION 16216 *** ***
*** 10:02:30

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

(424840.4, 3764682.5, 218.0, 366.0, 0.0);	(424840.4,
3764782.5, 220.9, 263.0, 0.0);	
(424840.4, 3764882.5, 227.3, 263.0, 0.0);	(424840.4,
3764982.5, 240.9, 263.0, 0.0);	
(424840.4, 3765082.5, 259.6, 259.6, 0.0);	(424840.4,
3765182.5, 246.9, 263.0, 0.0);	
(424840.4, 3765282.5, 236.7, 263.0, 0.0);	(424840.4,
3765382.5, 248.3, 252.0, 0.0);	
(424840.4, 3765482.5, 232.9, 252.0, 0.0);	(424840.4,
3765582.5, 220.6, 252.0, 0.0);	
(424840.4, 3765682.5, 219.9, 252.0, 0.0);	(424940.4,
3764682.5, 220.1, 368.0, 0.0);	
(424940.4, 3764782.5, 219.0, 366.0, 0.0);	(424940.4,
3764882.5, 219.0, 362.0, 0.0);	
(424940.4, 3764982.5, 238.0, 263.0, 0.0);	(424940.4,
3765082.5, 241.3, 263.0, 0.0);	
(424940.4, 3765182.5, 218.9, 263.0, 0.0);	(424940.4,
3765282.5, 233.8, 263.0, 0.0);	
(424940.4, 3765382.5, 223.5, 263.0, 0.0);	(424940.4,
3765482.5, 234.0, 252.0, 0.0);	
(424940.4, 3765582.5, 214.2, 263.0, 0.0);	(424940.4,
3765682.5, 207.1, 316.0, 0.0);	
(425040.4, 3764682.5, 222.8, 368.0, 0.0);	(425040.4,
3764782.5, 219.9, 368.0, 0.0);	
(425040.4, 3764882.5, 219.0, 368.0, 0.0);	(425040.4,
3764982.5, 221.3, 362.0, 0.0);	
(425040.4, 3765082.5, 216.8, 362.0, 0.0);	(425040.4,
3765182.5, 215.0, 263.0, 0.0);	
(425040.4, 3765282.5, 213.4, 263.0, 0.0);	(425040.4,
3765382.5, 213.1, 263.0, 0.0);	
(425040.4, 3765482.5, 211.8, 312.0, 0.0);	(425040.4,
3765582.5, 210.0, 316.0, 0.0);	
(425040.4, 3765682.5, 209.0, 316.0, 0.0);	(425140.4,
3764682.5, 226.0, 368.0, 0.0);	
(425140.4, 3764782.5, 223.0, 368.0, 0.0);	(425140.4,
3764882.5, 221.0, 368.0, 0.0);	
(425140.4, 3764982.5, 219.0, 368.0, 0.0);	(425140.4,
3765082.5, 221.0, 362.0, 0.0);	
(425140.4, 3765182.5, 220.5, 263.0, 0.0);	(425140.4,
3765282.5, 228.8, 250.0, 0.0);	

(425140.4, 3765382.5, 228.7, 251.0, 0.0); (425140.4,
3765482.5, 222.6, 256.0, 0.0);
(425140.4, 3765582.5, 212.0, 316.0, 0.0); (425140.4,
3765682.5, 210.0, 316.0, 0.0);
(425240.4, 3764682.5, 228.1, 388.0, 0.0); (425240.4,
3764782.5, 225.2, 388.0, 0.0);
(425240.4, 3764882.5, 223.4, 388.0, 0.0); (425240.4,
3764982.5, 221.1, 388.0, 0.0);
(425240.4, 3765082.5, 231.7, 362.0, 0.0); (425240.4,
3765182.5, 230.7, 251.0, 0.0);
(425240.4, 3765282.5, 236.0, 251.0, 0.0); (425240.4,
3765382.5, 240.3, 250.0, 0.0);
(425240.4, 3765482.5, 237.2, 256.0, 0.0); (425240.4,
3765582.5, 214.1, 316.0, 0.0);
(425240.4, 3765682.5, 211.4, 316.0, 0.0); (425340.4,
3764682.5, 230.7, 388.0, 0.0);
(425340.4, 3764782.5, 228.5, 388.0, 0.0); (425340.4,
3764882.5, 225.5, 388.0, 0.0);
(425340.4, 3764982.5, 222.8, 388.0, 0.0); (425340.4,
3765082.5, 222.4, 388.0, 0.0);
(425340.4, 3765182.5, 238.7, 250.0, 0.0); (425340.4,
3765282.5, 247.8, 250.0, 0.0);
(425340.4, 3765382.5, 249.1, 249.1, 0.0); (425340.4,
3765482.5, 231.7, 316.0, 0.0);
(425340.4, 3765582.5, 224.3, 316.0, 0.0); (425340.4,
3765682.5, 215.1, 316.0, 0.0);
(425440.4, 3764682.5, 234.2, 388.0, 0.0); (425440.4,
3764782.5, 231.8, 388.0, 0.0);
(425440.4, 3764882.5, 228.0, 388.0, 0.0); (425440.4,
3764982.5, 224.0, 388.0, 0.0);
(425440.4, 3765082.5, 224.0, 388.0, 0.0); (425440.4,
3765182.5, 233.2, 362.0, 0.0);
(425440.4, 3765282.5, 243.5, 254.0, 0.0); (425440.4,
3765382.5, 254.2, 254.2, 0.0);
(425440.4, 3765482.5, 251.2, 256.0, 0.0); (425440.4,
3765582.5, 229.3, 316.0, 0.0);
(425440.4, 3765682.5, 225.9, 316.0, 0.0); (425540.4,
3764682.5, 239.7, 388.0, 0.0);
(425540.4, 3764782.5, 236.5, 388.0, 0.0); (425540.4,
3764882.5, 232.8, 388.0, 0.0);
(425540.4, 3764982.5, 226.6, 388.0, 0.0); (425540.4,
3765082.5, 226.1, 388.0, 0.0);
(425540.4, 3765182.5, 227.7, 388.0, 0.0); (425540.4,
3765282.5, 242.0, 254.0, 0.0);
(425540.4, 3765382.5, 252.4, 252.4, 0.0); (425540.4,
3765482.5, 253.7, 275.0, 0.0);
(425540.4, 3765582.5, 242.4, 316.0, 0.0); (425540.4,
3765682.5, 239.9, 316.0, 0.0);
(425640.4, 3764682.5, 243.9, 388.0, 0.0); (425640.4,
3764782.5, 241.6, 388.0, 0.0);

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 5, LA SR-60
DB\Segment 5, LA SR-60 DB.i *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 10:02:30

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(425640.4, 3764882.5, 235.1, 416.0, 0.0);	(425640.4,
3764982.5, 229.2, 416.0, 0.0);	
(425640.4, 3765082.5, 227.7, 388.0, 0.0);	(425640.4,
3765182.5, 228.0, 388.0, 0.0);	
(425640.4, 3765282.5, 230.9, 388.0, 0.0);	(425640.4,
3765382.5, 254.1, 276.0, 0.0);	
(425640.4, 3765482.5, 261.6, 275.0, 0.0);	(425640.4,
3765582.5, 249.6, 316.0, 0.0);	
(425640.4, 3765682.5, 247.4, 316.0, 0.0);	(425740.4,
3764682.5, 252.1, 388.0, 0.0);	
(425740.4, 3764782.5, 253.6, 388.0, 0.0);	(425740.4,
3764882.5, 239.4, 416.0, 0.0);	
(425740.4, 3764982.5, 232.0, 416.0, 0.0);	(425740.4,
3765082.5, 229.0, 416.0, 0.0);	
(425740.4, 3765182.5, 229.0, 416.0, 0.0);	(425740.4,
3765282.5, 230.9, 388.0, 0.0);	
(425740.4, 3765382.5, 249.5, 316.0, 0.0);	(425740.4,
3765482.5, 265.0, 278.0, 0.0);	
(425740.4, 3765582.5, 275.1, 275.1, 0.0);	(425740.4,
3765682.5, 254.1, 316.0, 0.0);	
(425840.4, 3764682.5, 276.4, 388.0, 0.0);	(425840.4,
3764782.5, 260.7, 388.0, 0.0);	
(425840.4, 3764882.5, 238.7, 418.0, 0.0);	(425840.4,
3764982.5, 235.0, 418.0, 0.0);	
(425840.4, 3765082.5, 231.0, 418.0, 0.0);	(425840.4,
3765182.5, 231.7, 416.0, 0.0);	
(425840.4, 3765282.5, 232.3, 416.0, 0.0);	(425840.4,
3765382.5, 251.0, 374.0, 0.0);	
(425840.4, 3765482.5, 259.9, 316.0, 0.0);	(425840.4,
3765582.5, 271.2, 316.0, 0.0);	
(425840.4, 3765682.5, 268.5, 316.0, 0.0);	(424840.4,
3765932.5, 205.0, 312.0, 0.0);	
(424840.4, 3766182.5, 226.0, 239.0, 0.0);	(425090.4,
3765932.5, 240.7, 255.0, 0.0);	
(425090.4, 3766182.5, 219.4, 316.0, 0.0);	(425340.4,
3765932.5, 213.7, 316.0, 0.0);	
(425340.4, 3766182.5, 226.8, 316.0, 0.0);	(425590.4,
3765932.5, 251.7, 316.0, 0.0);	

(425590.4, 3766182.5, 232.7, 316.0, 0.0); (425840.4,
3765932.5, 288.1, 316.0, 0.0);
(425840.4, 3766182.5, 259.2, 316.0, 0.0); (426090.4,
3765932.5, 297.4, 316.0, 0.0);
(426090.4, 3766182.5, 262.4, 336.0, 0.0); (426340.4,
3765932.5, 290.1, 336.0, 0.0);
(426340.4, 3766182.5, 293.4, 336.0, 0.0); (426090.4,
3765682.5, 266.8, 316.0, 0.0);
(426090.4, 3765432.5, 246.1, 388.0, 0.0); (426090.4,
3765182.5, 238.0, 445.0, 0.0);
(426090.4, 3764932.5, 258.0, 419.0, 0.0); (426090.4,
3764682.5, 283.8, 416.0, 0.0);
(426090.4, 3764432.5, 290.8, 416.0, 0.0); (426090.4,
3764182.5, 346.8, 368.0, 0.0);
(426340.4, 3765682.5, 288.5, 296.0, 0.0); (426340.4,
3765432.5, 251.5, 445.0, 0.0);
(426340.4, 3765182.5, 259.5, 445.0, 0.0); (426340.4,
3764932.5, 255.1, 446.0, 0.0);
(426340.4, 3764682.5, 272.5, 446.0, 0.0); (426340.4,
3764432.5, 335.5, 388.0, 0.0);
(426340.4, 3764182.5, 335.1, 388.0, 0.0); (425840.4,
3764432.5, 274.0, 388.0, 0.0);
(425840.4, 3764182.5, 302.9, 368.0, 0.0); (425590.4,
3764432.5, 252.0, 388.0, 0.0);
(425590.4, 3764182.5, 269.4, 388.0, 0.0); (425340.4,
3764432.5, 237.7, 388.0, 0.0);
(425340.4, 3764182.5, 248.5, 388.0, 0.0); (425090.4,
3764432.5, 228.4, 368.0, 0.0);
(425090.4, 3764182.5, 235.6, 374.0, 0.0); (424840.4,
3764432.5, 219.0, 368.0, 0.0);
(424840.4, 3764182.5, 219.2, 374.0, 0.0); (424590.4,
3764432.5, 219.6, 252.0, 0.0);
(424590.4, 3764182.5, 213.6, 368.0, 0.0); (424340.4,
3764432.5, 233.5, 252.0, 0.0);
(424340.4, 3764182.5, 233.1, 233.1, 0.0); (424590.4,
3764682.5, 234.8, 250.0, 0.0);
(424590.4, 3764932.5, 231.0, 269.0, 0.0); (424590.4,
3765182.5, 238.2, 269.0, 0.0);
(424590.4, 3765432.5, 222.9, 269.0, 0.0); (424590.4,
3765682.5, 203.6, 269.0, 0.0);
(424590.4, 3765932.5, 201.7, 239.0, 0.0); (424590.4,
3766182.5, 206.2, 239.0, 0.0);
(424340.4, 3764682.5, 236.3, 259.0, 0.0); (424340.4,
3764932.5, 242.2, 268.0, 0.0);
(424340.4, 3765182.5, 266.7, 266.7, 0.0); (424340.4,
3765432.5, 209.1, 269.0, 0.0);
(424340.4, 3765682.5, 197.3, 269.0, 0.0); (424340.4,
3765932.5, 197.2, 269.0, 0.0);
(424340.4, 3766182.5, 195.6, 195.6, 0.0); (424661.6,
3764623.0, 226.3, 252.0, 0.0);

(424721.9, 3764568.7, 217.1, 252.0, 0.0); (425041.8,
 3764960.9, 219.6, 362.0, 0.0);
 *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 5, LA SR-60
 DB\Segment 5, LA SR-60 DB.i *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 10:02:30

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

(425174.5, 3765063.5, 222.3, 362.0, 0.0); (426049.5,
 3765425.6, 239.5, 388.0, 0.0);
 (426025.4, 3765491.9, 250.9, 382.0, 0.0); (425029.7,
 3765081.6, 216.8, 362.0, 0.0);
 (424890.9, 3764966.9, 245.4, 262.0, 0.0);

*** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 5, LA SR-60
 DB\Segment 5, LA SR-60 DB.i *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 10:02:30

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
 BE PERFORMED *
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
 FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
-4.91	L000001	426049.5	3765425.6
0.26	L000003	425840.4	3765382.5
-49.83	L000004	425840.4	3765382.5
0.01	L000005	425740.4	3765382.5
	L000005	425840.4	3765382.5

0.41	L0000006	425740.4	3765282.5
-1.54	L0000006	425740.4	3765382.5
-10.34	L0000007	425640.4	3765282.5
0.77	L0000008	425640.4	3765282.5
-39.70	L0000009	425540.4	3765282.5
-15.27	L0000010	425540.4	3765282.5
-28.13	L0000012	425440.4	3765182.5
-17.24	L0000013	425340.4	3765182.5
-21.51	L0000014	425340.4	3765182.5
-34.51	L0000015	425240.4	3765182.5
-12.22	L0000016	425240.4	3765082.5
-7.48	L0000017	425140.4	3765082.5
-21.45	L0000017	425174.5	3765063.5
-16.82	L0000018	425140.4	3765082.5
-33.35	L0000019	425040.4	3765082.5
-15.85	L0000019	425029.7	3765081.6
-8.34	L0000020	425040.4	3764982.5
-22.86	L0000020	425041.8	3764960.9
-1.79	L0000021	424940.4	3764982.5
-6.09	L0000021	425040.4	3764982.5
-4.38	L0000021	425041.8	3764960.9
-2.27	L0000022	424940.4	3764882.5
-3.79	L0000022	424940.4	3764982.5
-6.31	L0000023	424940.4	3764882.5
-24.40	L0000024	424840.4	3764882.5

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Surface file: C:\Users\kheck\Desktop\MET Data\PicoRiveraADJU
(1)\PICO_V9_ADJU\PICO_v9.SFC Met Version: 16216
Profile file: C:\Users\kheck\Desktop\MET Data\PicoRiveraADJU
(1)\PICO_V9_ADJU\PICO_v9.PFL
Surface format: FREE

Profile format: FREE

Surface station no.: 3166
Name: UNKNOWN

Upper air station no.: 3190
Name: UNKNOWN

Year: 2010

Year: 2010

First 24 hours of scalar data

Table with 14 columns: YR, MO, DY, JDY, HR, H0, U*, W*, DT/DZ, ZICNV, ZIMCH, M-O, LEN, Z0, BOWEN. It contains 24 rows of meteorological data for January 1st, 2010, from 01:00 to 13:00.

0.20	1.80	282.	9.1	294.9	5.5								
10	01	01	1	14	82.0	0.218	1.112	0.008	606.	245.	-11.4	0.34	0.73
0.21	1.30	290.	9.1	295.9	5.5								
10	01	01	1	15	38.9	0.202	0.881	0.008	636.	217.	-19.0	0.34	0.73
0.25	1.30	192.	9.1	294.9	5.5								
10	01	01	1	16	11.4	0.181	0.588	0.008	643.	185.	-47.4	0.34	0.73
0.33	1.30	218.	9.1	293.8	5.5								
10	01	01	1	17	-10.7	0.155	-9.000	-9.000	-999.	147.	31.4	0.34	0.73
0.60	1.30	255.	9.1	292.0	5.5								
10	01	01	1	18	-5.5	0.104	-9.000	-9.000	-999.	81.	18.6	0.34	0.73
1.00	0.90	129.	9.1	289.2	5.5								
10	01	01	1	19	-11.8	0.154	-9.000	-9.000	-999.	145.	27.8	0.34	0.73
1.00	1.30	264.	9.1	287.5	5.5								
10	01	01	1	20	-11.8	0.154	-9.000	-9.000	-999.	144.	27.8	0.34	0.73
1.00	1.30	25.	9.1	287.0	5.5								
10	01	01	1	21	-21.6	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73
1.00	1.80	343.	9.1	285.9	5.5								
10	01	01	1	22	-21.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73
1.00	1.80	332.	9.1	284.9	5.5								
10	01	01	1	23	-21.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73
1.00	1.80	178.	9.1	284.2	5.5								
10	01	01	1	24	-11.8	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	0.73
1.00	1.30	28.	9.1	283.1	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	283.8	99.0	-99.00	-99.00
10	01	01	01	9.1	1	321.	3.10	-999.0	99.0	-99.00	-99.00

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

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 5, LA SR-60
 DB\Segment 5, LA SR-60 DB.i *** 10/28/19
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
424840.44	3764682.50	495.81792	424840.44
3764782.50	480.97111		
424840.44	3764882.50	648.25327	424840.44
3764982.50	309.91879		
424840.44	3765082.50	160.43279	424840.44
3765182.50	142.33394		
424840.44	3765282.50	136.95014	424840.44
3765382.50	93.59280		
424840.44	3765482.50	93.80254	424840.44
3765582.50	71.51913		
424840.44	3765682.50	60.48609	424940.44
3764682.50	262.67462		
424940.44	3764782.50	461.67338	424940.44
3764882.50	512.78754		
424940.44	3764982.50	423.01453	424940.44
3765082.50	331.47866		
424940.44	3765182.50	248.57029	424940.44
3765282.50	186.16351		
424940.44	3765382.50	129.33075	424940.44
3765482.50	113.77004		
424940.44	3765582.50	80.45977	424940.44
3765682.50	65.31045		
425040.44	3764682.50	185.27404	425040.44
3764782.50	271.46669		
425040.44	3764882.50	452.37081	425040.44
3764982.50	506.26490		
425040.44	3765082.50	605.31710	425040.44
3765182.50	355.15093		
425040.44	3765282.50	212.73780	425040.44
3765382.50	150.30582		
425040.44	3765482.50	113.84166	425040.44
3765582.50	89.90157		
425040.44	3765682.50	73.39735	425140.44
3764682.50	138.62735		
425140.44	3764782.50	198.91405	425140.44
3764882.50	288.25317		
425140.44	3764982.50	496.91103	425140.44
3765082.50	504.41166		
425140.44	3765182.50	541.22393	425140.44
3765282.50	312.02348		

425140.44	3765382.50	206.05996	425140.44
3765482.50	137.37819		
425140.44	3765582.50	102.08695	425140.44
3765682.50	81.55353		
425240.44	3764682.50	111.20279	425240.44
3764782.50	154.91299		
425240.44	3764882.50	218.71858	425240.44
3764982.50	330.45474		
425240.44	3765082.50	568.45862	425240.44
3765182.50	683.28408		
425240.44	3765282.50	415.90216	425240.44
3765382.50	248.66147		
425240.44	3765482.50	178.79661	425240.44
3765582.50	115.00383		
425240.44	3765682.50	89.99174	425340.44
3764682.50	91.58314		
425340.44	3764782.50	124.64603	425340.44
3764882.50	174.46249		
425340.44	3764982.50	254.20449	425340.44
3765082.50	441.37945		
425340.44	3765182.50	531.66417	425340.44
3765282.50	530.36006		
425340.44	3765382.50	281.43824	425340.44
3765482.50	199.55810		
425340.44	3765582.50	134.50578	425340.44
3765682.50	99.54000		
425440.44	3764682.50	79.24371	425440.44
3764782.50	104.18154		
425440.44	3764882.50	145.15049	425440.44
3764982.50	207.36581		
425440.44	3765082.50	326.97356	425440.44
3765182.50	634.24864		
425440.44	3765282.50	815.25388	425440.44
3765382.50	315.37416		
425440.44	3765482.50	219.86294	425440.44
3765582.50	158.13441		
425440.44	3765682.50	114.70678	425540.44
3764682.50	66.42251		
425540.44	3764782.50	89.23988	425540.44
3764882.50	121.86998		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
425540.44	3764982.50	173.24110	425540.44
3765082.50	262.31312		
425540.44	3765182.50	536.83749	425540.44
3765282.50	488.60326		
425540.44	3765382.50	401.03933	425540.44
3765482.50	247.22980		
425540.44	3765582.50	187.17832	425540.44
3765682.50	135.28265		
425640.44	3764682.50	54.64415	425640.44
3764782.50	72.72032		
425640.44	3764882.50	104.95585	425640.44
3764982.50	146.19283		
425640.44	3765082.50	213.97278	425640.44
3765182.50	378.34447		
425640.44	3765282.50	516.14971	425640.44
3765382.50	505.45389		
425640.44	3765482.50	244.49421	425640.44
3765582.50	211.31102		
425640.44	3765682.50	152.76174	425740.44
3764682.50	36.45166		
425740.44	3764782.50	43.64355	425740.44
3764882.50	86.95484		
425740.44	3764982.50	122.86911	425740.44
3765082.50	174.37161		
425740.44	3765182.50	281.40763	425740.44
3765282.50	512.91716		
425740.44	3765382.50	436.69821	425740.44
3765482.50	274.11710		
425740.44	3765582.50	156.83845	425740.44
3765682.50	158.46874		
425840.44	3764682.50	15.78761	425840.44

3764782.50	29.63499			
	425840.44	3764882.50	76.06048	425840.44
3764982.50	102.61691			
	425840.44	3765082.50	140.98493	425840.44
3765182.50	214.46021			
	425840.44	3765282.50	418.70184	425840.44
3765382.50	268.70884			
	425840.44	3765482.50	383.68571	425840.44
3765582.50	180.13961			
	425840.44	3765682.50	133.25828	424840.44
3765932.50	40.63585			
	424840.44	3766182.50	32.15578	425090.44
3765932.50	60.39761			
	425090.44	3766182.50	36.41253	425340.44
3765932.50	59.77694			
	425340.44	3766182.50	43.32048	425590.44
3765932.50	81.91419			
	425590.44	3766182.50	48.13401	425840.44
3765932.50	58.87493			
	425840.44	3766182.50	55.08043	426090.44
3765932.50	51.39713			
	426090.44	3766182.50	50.58688	426340.44
3765932.50	39.76680			
	426340.44	3766182.50	29.85641	426090.44
3765682.50	113.48381			
	426090.44	3765432.50	220.44289	426090.44
3765182.50	101.18868			
	426090.44	3764932.50	31.42001	426090.44
3764682.50	11.04010			
	426090.44	3764432.50	7.48725	426090.44
3764182.50	4.35009			
	426340.44	3765682.50	42.51233	426340.44
3765432.50	47.16209			
	426340.44	3765182.50	27.45244	426340.44
3764932.50	23.40243			
	426340.44	3764682.50	11.27009	426340.44
3764432.50	4.92260			
	426340.44	3764182.50	4.00239	425840.44
3764432.50	11.71374			
	425840.44	3764182.50	5.84006	425590.44
3764432.50	26.76360			
	425590.44	3764182.50	11.25041	425340.44
3764432.50	48.46771			
	425340.44	3764182.50	24.12266	425090.44
3764432.50	72.98198			
	425090.44	3764182.50	35.28153	424840.44
3764432.50	107.26767			
	424840.44	3764182.50	51.24925	424590.44
3764432.50	100.25187			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , L0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
424590.44	3764182.50	48.70033	424340.44
3764432.50	69.89512		
424340.44	3764182.50	56.93106	424590.44
3764682.50	188.79159		
424590.44	3764932.50	120.89006	424590.44
3765182.50	77.88409		
424590.44	3765432.50	61.47044	424590.44
3765682.50	42.57976		
424590.44	3765932.50	32.12233	424590.44
3766182.50	25.40050		
424340.44	3764682.50	57.44221	424340.44
3764932.50	46.80904		
424340.44	3765182.50	30.21161	424340.44
3765432.50	40.07905		
424340.44	3765682.50	31.05404	424340.44
3765932.50	25.17349		
424340.44	3766182.50	20.55829	424661.60
3764622.97	262.13063		
424721.94	3764568.66	353.92567	425041.77
3764960.90	455.54087		
425174.53	3765063.49	662.81143	426049.53
3765425.56	216.99098		

426025.40 3765491.94 446.90656 425029.70
 3765081.59 585.07163
 424890.91 3764966.94 491.48706

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 5, LA SR-60
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	815.25388 AT (	425440.44, 3765282.50,
243.49,	254.00, 0.00) DC		
	2ND HIGHEST VALUE IS	683.28408 AT (	425240.44, 3765182.50,
230.67,	251.00, 0.00) DC		
	3RD HIGHEST VALUE IS	662.81143 AT (	425174.53, 3765063.49,
222.33,	362.00, 0.00) DC		
	4TH HIGHEST VALUE IS	648.25327 AT (	424840.44, 3764882.50,
227.29,	263.00, 0.00) DC		
	5TH HIGHEST VALUE IS	634.24864 AT (	425440.44, 3765182.50,
233.21,	362.00, 0.00) DC		
	6TH HIGHEST VALUE IS	605.31710 AT (	425040.44, 3765082.50,
216.80,	362.00, 0.00) DC		
	7TH HIGHEST VALUE IS	585.07163 AT (	425029.70, 3765081.59,
216.83,	362.00, 0.00) DC		
	8TH HIGHEST VALUE IS	568.45862 AT (	425240.44, 3765082.50,
231.65,	362.00, 0.00) DC		
	9TH HIGHEST VALUE IS	541.22393 AT (	425140.44, 3765182.50,
220.50,	263.00, 0.00) DC		
	10TH HIGHEST VALUE IS	536.83749 AT (	425540.44, 3765182.50,
227.67,	388.00, 0.00) DC		

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

DC = DISCCART
DP = DISCPOLR

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 5, LA SR-60
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 1277 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 152 Calm Hours Identified

A Total of 1125 Missing Hours Identified (2.57 Percent)

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

***** WARNING MESSAGES *****
ME W186 140 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 140 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 6, 10\Segment 6, 10.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 6, 10\Segment 6, 10.isc
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 20883
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 6, 10.err"
CO FINISHED

```

```

**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 46.00
** Configuration = Adjacent
** Emission Rate = 34.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 2
** 404145.160, 3766788.200, 72.97, 2.00, 21.40
** 402601.200, 3767147.880, 67.94, 2.00, 21.40
** -----
  LOCATION L000001      VOLUME  404122.760 3766793.418 73.00

```

LOCATION	L0000002	VOLUME	404077.959	3766803.855	73.00
LOCATION	L0000003	VOLUME	404033.159	3766814.292	73.00
LOCATION	L0000004	VOLUME	403988.359	3766824.728	73.00
LOCATION	L0000005	VOLUME	403943.558	3766835.165	73.20
LOCATION	L0000006	VOLUME	403898.758	3766845.602	73.00
LOCATION	L0000007	VOLUME	403853.957	3766856.038	73.00
LOCATION	L0000008	VOLUME	403809.157	3766866.475	73.00
LOCATION	L0000009	VOLUME	403764.357	3766876.912	72.99
LOCATION	L0000010	VOLUME	403719.556	3766887.348	71.02
LOCATION	L0000011	VOLUME	403674.756	3766897.785	70.52
LOCATION	L0000012	VOLUME	403629.955	3766908.222	70.00
LOCATION	L0000013	VOLUME	403585.155	3766918.658	70.00
LOCATION	L0000014	VOLUME	403540.355	3766929.095	70.00
LOCATION	L0000015	VOLUME	403495.554	3766939.532	70.00
LOCATION	L0000016	VOLUME	403450.754	3766949.968	69.58
LOCATION	L0000017	VOLUME	403405.953	3766960.405	69.00
LOCATION	L0000018	VOLUME	403361.153	3766970.842	69.00
LOCATION	L0000019	VOLUME	403316.353	3766981.278	69.00
LOCATION	L0000020	VOLUME	403271.552	3766991.715	69.00
LOCATION	L0000021	VOLUME	403226.752	3767002.152	68.67
LOCATION	L0000022	VOLUME	403181.951	3767012.588	68.05
LOCATION	L0000023	VOLUME	403137.151	3767023.025	68.00
LOCATION	L0000024	VOLUME	403092.351	3767033.462	68.00
LOCATION	L0000025	VOLUME	403047.550	3767043.899	67.62
LOCATION	L0000026	VOLUME	403002.750	3767054.335	67.00
LOCATION	L0000027	VOLUME	402957.949	3767064.772	67.00
LOCATION	L0000028	VOLUME	402913.149	3767075.209	67.00
LOCATION	L0000029	VOLUME	402868.349	3767085.645	67.00
LOCATION	L0000030	VOLUME	402823.548	3767096.082	67.32
LOCATION	L0000031	VOLUME	402778.748	3767106.519	67.67
LOCATION	L0000032	VOLUME	402733.947	3767116.955	68.00
LOCATION	L0000033	VOLUME	402689.147	3767127.392	67.79
LOCATION	L0000034	VOLUME	402644.347	3767137.829	67.71

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0000001	1.0	2.00	21.40	0.93
SRCPARAM	L0000002	1.0	2.00	21.40	0.93
SRCPARAM	L0000003	1.0	2.00	21.40	0.93
SRCPARAM	L0000004	1.0	2.00	21.40	0.93
SRCPARAM	L0000005	1.0	2.00	21.40	0.93
SRCPARAM	L0000006	1.0	2.00	21.40	0.93
SRCPARAM	L0000007	1.0	2.00	21.40	0.93
SRCPARAM	L0000008	1.0	2.00	21.40	0.93
SRCPARAM	L0000009	1.0	2.00	21.40	0.93
SRCPARAM	L0000010	1.0	2.00	21.40	0.93
SRCPARAM	L0000011	1.0	2.00	21.40	0.93
SRCPARAM	L0000012	1.0	2.00	21.40	0.93
SRCPARAM	L0000013	1.0	2.00	21.40	0.93
SRCPARAM	L0000014	1.0	2.00	21.40	0.93

SRCPARAM L0000015	1.0	2.00	21.40	0.93
SRCPARAM L0000016	1.0	2.00	21.40	0.93
SRCPARAM L0000017	1.0	2.00	21.40	0.93
SRCPARAM L0000018	1.0	2.00	21.40	0.93
SRCPARAM L0000019	1.0	2.00	21.40	0.93
SRCPARAM L0000020	1.0	2.00	21.40	0.93
SRCPARAM L0000021	1.0	2.00	21.40	0.93
SRCPARAM L0000022	1.0	2.00	21.40	0.93
SRCPARAM L0000023	1.0	2.00	21.40	0.93
SRCPARAM L0000024	1.0	2.00	21.40	0.93
SRCPARAM L0000025	1.0	2.00	21.40	0.93
SRCPARAM L0000026	1.0	2.00	21.40	0.93
SRCPARAM L0000027	1.0	2.00	21.40	0.93
SRCPARAM L0000028	1.0	2.00	21.40	0.93
SRCPARAM L0000029	1.0	2.00	21.40	0.93
SRCPARAM L0000030	1.0	2.00	21.40	0.93
SRCPARAM L0000031	1.0	2.00	21.40	0.93
SRCPARAM L0000032	1.0	2.00	21.40	0.93
SRCPARAM L0000033	1.0	2.00	21.40	0.93
SRCPARAM L0000034	1.0	2.00	21.40	0.93

**

 URBANSRC ALL
 SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING
 INCLUDED "Segment 6, 10.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING
 SURFFILE "C:\Users\kheck\Desktop\MET Data\PicoRiveraADJU
 (1)\PICO_V9_ADJU\PICO_v9.SFC"
 PROFFILE "C:\Users\kheck\Desktop\MET Data\PicoRiveraADJU
 (1)\PICO_V9_ADJU\PICO_v9.PFL"

SURFDATA 3166 2010
 UAIRDATA 3190 2010
 SITEDATA 99999 2010
 PROFBASE 47.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "Segment 6, 10.AD\AN00GALL.PLT" 31

SUMMFILE "Segment 6, 10.sum"

OU FINISHED

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

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

A Total of	0 Fatal Error Message(s)
A Total of	3 Warning Message(s)
A Total of	0 Informational Message(s)

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

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

CO W320	22	URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP
ME W186	147	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187	147	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 *** SETUP Finishes Successfully ***

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 *** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 34 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 20883.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates ANNUAL Averages Only

**This Run Includes: 34 Source(s); 1 Source Group(s); and 137
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 34 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 47.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 6, 10.err

**File for Summary of Results: Segment 6, 10.sum

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 6, 10\Segment
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
L000001		0	0.10000E+01		404122.8	3766793.4	73.0	21.40
0.93	YES							
L000002		0	0.10000E+01		404078.0	3766803.9	73.0	21.40
0.93	YES							

L0000003	0	0.10000E+01	404033.2	3766814.3	73.0	2.00	21.40
0.93	YES						
L0000004	0	0.10000E+01	403988.4	3766824.7	73.0	2.00	21.40
0.93	YES						
L0000005	0	0.10000E+01	403943.6	3766835.2	73.2	2.00	21.40
0.93	YES						
L0000006	0	0.10000E+01	403898.8	3766845.6	73.0	2.00	21.40
0.93	YES						
L0000007	0	0.10000E+01	403854.0	3766856.0	73.0	2.00	21.40
0.93	YES						
L0000008	0	0.10000E+01	403809.2	3766866.5	73.0	2.00	21.40
0.93	YES						
L0000009	0	0.10000E+01	403764.4	3766876.9	73.0	2.00	21.40
0.93	YES						
L0000010	0	0.10000E+01	403719.6	3766887.3	71.0	2.00	21.40
0.93	YES						
L0000011	0	0.10000E+01	403674.8	3766897.8	70.5	2.00	21.40
0.93	YES						
L0000012	0	0.10000E+01	403630.0	3766908.2	70.0	2.00	21.40
0.93	YES						
L0000013	0	0.10000E+01	403585.2	3766918.7	70.0	2.00	21.40
0.93	YES						
L0000014	0	0.10000E+01	403540.4	3766929.1	70.0	2.00	21.40
0.93	YES						
L0000015	0	0.10000E+01	403495.6	3766939.5	70.0	2.00	21.40
0.93	YES						
L0000016	0	0.10000E+01	403450.8	3766950.0	69.6	2.00	21.40
0.93	YES						
L0000017	0	0.10000E+01	403406.0	3766960.4	69.0	2.00	21.40
0.93	YES						
L0000018	0	0.10000E+01	403361.2	3766970.8	69.0	2.00	21.40
0.93	YES						
L0000019	0	0.10000E+01	403316.4	3766981.3	69.0	2.00	21.40
0.93	YES						
L0000020	0	0.10000E+01	403271.6	3766991.7	69.0	2.00	21.40
0.93	YES						
L0000021	0	0.10000E+01	403226.8	3767002.2	68.7	2.00	21.40
0.93	YES						
L0000022	0	0.10000E+01	403182.0	3767012.6	68.0	2.00	21.40
0.93	YES						
L0000023	0	0.10000E+01	403137.2	3767023.0	68.0	2.00	21.40
0.93	YES						
L0000024	0	0.10000E+01	403092.4	3767033.5	68.0	2.00	21.40
0.93	YES						
L0000025	0	0.10000E+01	403047.5	3767043.9	67.6	2.00	21.40
0.93	YES						
L0000026	0	0.10000E+01	403002.8	3767054.3	67.0	2.00	21.40
0.93	YES						
L0000027	0	0.10000E+01	402957.9	3767064.8	67.0	2.00	21.40
0.93	YES						

L000028	0	0.10000E+01	402913.1	3767075.2	67.0	2.00	21.40
0.93	YES						
L000029	0	0.10000E+01	402868.3	3767085.6	67.0	2.00	21.40
0.93	YES						
L000030	0	0.10000E+01	402823.5	3767096.1	67.3	2.00	21.40
0.93	YES						
L000031	0	0.10000E+01	402778.7	3767106.5	67.7	2.00	21.40
0.93	YES						
L000032	0	0.10000E+01	402733.9	3767117.0	68.0	2.00	21.40
0.93	YES						
L000033	0	0.10000E+01	402689.1	3767127.4	67.8	2.00	21.40
0.93	YES						
L000034	0	0.10000E+01	402644.3	3767137.8	67.7	2.00	21.40
0.93	YES						

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs									
-----	-----									
ALL	L000001	,	L000002	,	L000003	,	L000004	,	L000005	,
L000006	,	L000007	,	L000008	,					
	L000009	,	L000010	,	L000011	,	L000012	,	L000013	,
L000014	,	L000015	,	L000016	,					
	L000017	,	L000018	,	L000019	,	L000020	,	L000021	,
L000022	,	L000023	,	L000024	,					
	L000025	,	L000026	,	L000027	,	L000028	,	L000029	,
L000030	,	L000031	,	L000032	,					
	L000033	,	L000034	,						

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs			
-----	-----	-----	-----	-----	-----
L000005	20883.	L000001	L000002	L000003	L000004
L000008	, L000006	, L000007	,		
L000014	L000009	L000010	L000011	L000012	L000013
	, L000015	, L000016	,		
L000022	L000017	L000018	L000019	L000020	L000021
	, L000023	, L000024	,		
L000030	L000025	L000026	L000027	L000028	L000029
	, L000031	, L000032	,		
	L000033	L000034	,		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(402999.6, 3766432.2, 68.0, 68.0, 0.0); (402999.6,
 3766532.2, 68.0, 68.0, 0.0);
 (402999.6, 3766632.2, 68.0, 68.0, 0.0); (402999.6,
 3766732.2, 67.0, 67.0, 0.0);
 (402999.6, 3767032.2, 67.0, 67.0, 0.0); (402999.6,
 3767232.2, 68.0, 68.0, 0.0);
 (402999.6, 3767332.2, 69.0, 69.0, 0.0); (402999.6,
 3767432.2, 69.0, 69.0, 0.0);
 (403099.6, 3766432.2, 68.0, 68.0, 0.0); (403099.6,
 3766532.2, 68.2, 68.2, 0.0);
 (403099.6, 3766632.2, 68.0, 68.0, 0.0); (403099.6,
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 (403099.6, 3766832.2, 67.3, 67.3, 0.0); (403099.6,
 3767032.2, 68.0, 68.0, 0.0);
 (403099.6, 3767132.2, 68.0, 68.0, 0.0); (403099.6,

3767332.2, 69.0, 69.0, 0.0);
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3766632.2, 68.7, 68.7, 0.0);
(403199.6, 3766732.2, 68.0, 68.0, 0.0); (403199.6,
3766832.2, 68.0, 68.0, 0.0);
(403199.6, 3766932.2, 68.0, 68.0, 0.0); (403199.6,
3767032.2, 68.7, 68.7, 0.0);
(403199.6, 3767132.2, 69.0, 69.0, 0.0); (403199.6,
3767232.2, 69.0, 69.0, 0.0);
(403199.6, 3767432.2, 70.0, 70.0, 0.0); (403299.6,
3766432.2, 70.0, 70.0, 0.0);
(403299.6, 3766532.2, 69.0, 69.0, 0.0); (403299.6,
3766632.2, 69.0, 69.0, 0.0);
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3766832.2, 69.0, 69.0, 0.0);
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3767032.2, 69.0, 69.0, 0.0);
(403299.6, 3767132.2, 69.0, 69.0, 0.0); (403299.6,
3767232.2, 69.0, 69.0, 0.0);
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3766432.2, 70.0, 70.0, 0.0);
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3766632.2, 70.0, 70.0, 0.0);
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3766832.2, 69.2, 69.2, 0.0);
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3766532.2, 70.0, 70.0, 0.0);
(403499.6, 3766632.2, 70.0, 70.0, 0.0); (403499.6,
3766732.2, 70.0, 70.0, 0.0);
(403499.6, 3766832.2, 70.0, 70.0, 0.0); (403499.6,
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(403499.6, 3767032.2, 70.0, 70.0, 0.0); (403499.6,
3767132.2, 70.0, 70.0, 0.0);
(403499.6, 3767232.2, 70.0, 70.0, 0.0); (403499.6,
3767332.2, 70.0, 70.0, 0.0);
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3766632.2, 70.0, 70.0, 0.0);
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3766832.2, 70.0, 70.0, 0.0);
(403599.6, 3766932.2, 70.0, 70.0, 0.0); (403599.6,
3767032.2, 70.0, 70.0, 0.0);
(403599.6, 3767132.2, 70.0, 70.0, 0.0); (403599.6,

```

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3767432.2,    71.0,    71.0,    0.0);
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  ( 403699.6, 3766832.2,    70.5,    70.5,    0.0);    ( 403699.6,
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  ( 403699.6, 3767032.2,    70.0,    70.0,    0.0);    ( 403699.6,
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  ( 403699.6, 3767232.2,    71.0,    71.0,    0.0);    ( 403699.6,
3767332.2,    71.0,    71.0,    0.0);
  ( 403699.6, 3767432.2,    71.3,    71.3,    0.0);    ( 403799.6,
3766632.2,    70.0,    70.0,    0.0);
  ( 403799.6, 3766732.2,    71.2,    71.2,    0.0);    ( 403799.6,
3766832.2,    72.8,    72.8,    0.0);
  ( 403799.6, 3766932.2,    70.9,    70.9,    0.0);    ( 403799.6,
3767032.2,    70.7,    70.7,    0.0);
  ( 403799.6, 3767132.2,    71.0,    71.0,    0.0);    ( 403799.6,
3767232.2,    71.0,    71.0,    0.0);
  ( 403799.6, 3767332.2,    71.7,    71.7,    0.0);    ( 403799.6,
3767432.2,    72.0,    72.0,    0.0);
  ( 403899.6, 3766632.2,    70.0,    70.0,    0.0);    ( 403899.6,
3766732.2,    70.0,    70.0,    0.0);
  ( 403899.6, 3766832.2,    73.0,    73.0,    0.0);    ( 403899.6,
3766932.2,    72.2,    72.2,    0.0);
^ *** AERMOD - VERSION 18081 ***    *** C:\Lakes\AERMOD View\Segment 6, 10\Segment
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

```

  ( 403899.6, 3767032.2,    72.0,    72.0,    0.0);    ( 403899.6,
3767132.2,    72.0,    72.0,    0.0);
  ( 403899.6, 3767232.2,    72.0,    72.0,    0.0);    ( 403899.6,
3767332.2,    72.0,    72.0,    0.0);
  ( 403899.6, 3767432.2,    72.0,    72.0,    0.0);    ( 403999.6,
3766732.2,    70.4,    70.4,    0.0);
  ( 403999.6, 3766832.2,    73.0,    73.0,    0.0);    ( 403999.6,
3766932.2,    73.0,    73.0,    0.0);
  ( 403999.6, 3767032.2,    72.0,    72.0,    0.0);    ( 403999.6,
3767132.2,    72.0,    72.0,    0.0);
  ( 403999.6, 3767232.2,    72.0,    72.0,    0.0);    ( 403999.6,
3767332.2,    72.5,    72.5,    0.0);
  ( 403999.6, 3767432.2,    73.0,    73.0,    0.0);    ( 402999.6,

```

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3767682.2,    70.0,    70.0,    0.0);
  ( 402999.6, 3767932.2,    72.0,    72.0,    0.0);    ( 403249.6,
3767682.2,    71.0,    71.0,    0.0);
  ( 403249.6, 3767932.2,    72.5,    72.5,    0.0);    ( 403499.6,
3767682.2,    72.0,    72.0,    0.0);
  ( 403499.6, 3767932.2,    73.0,    73.0,    0.0);    ( 403749.6,
3767682.2,    73.0,    73.0,    0.0);
  ( 403749.6, 3767932.2,    74.2,    74.2,    0.0);    ( 403999.6,
3767682.2,    73.9,    73.9,    0.0);
  ( 403999.6, 3767932.2,    75.1,    75.1,    0.0);    ( 404249.6,
3767682.2,    74.6,    74.6,    0.0);
  ( 404249.6, 3767932.2,    76.0,    76.0,    0.0);    ( 404499.6,
3767682.2,    75.0,    75.0,    0.0);
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3766932.2,    73.0,    73.0,    0.0);
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3765932.2,    72.0,    358.0,    0.0);
  ( 404499.6, 3767432.2,    73.5,    73.5,    0.0);    ( 404499.6,
3767182.2,    73.0,    73.0,    0.0);
  ( 404499.6, 3766932.2,    72.0,    72.0,    0.0);    ( 404499.6,
3766182.2,    73.0,    358.0,    0.0);
  ( 404499.6, 3765932.2,    73.0,    358.0,    0.0);    ( 403999.6,
3765932.2,    71.0,    358.0,    0.0);
  ( 402749.6, 3766182.2,    67.0,    67.0,    0.0);    ( 402749.6,
3767432.2,    69.0,    69.0,    0.0);
  ( 402749.6, 3767682.2,    70.0,    70.0,    0.0);    ( 402749.6,
3767932.2,    72.0,    72.0,    0.0);
  ( 402499.6, 3767432.2,    69.0,    69.0,    0.0);    ( 402499.6,
3767682.2,    70.0,    70.0,    0.0);
  ( 402499.6, 3767932.2,    71.0,    71.0,    0.0);    ( 404079.4,
3767047.6,    72.0,    72.0,    0.0);
  ( 404236.5, 3767117.9,    72.3,    72.3,    0.0);

```

```

^ *** AERMOD - VERSION 18081 ***    *** C:\Lakes\AERMOD View\Segment 6, 10\Segment
6, 10.isc    ***    10/28/19
*** AERMET - VERSION 16216 ***    ***
***    16:09:50

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL

SOURCE - - RECEPTOR LOCATION - -

DISTANCE (METERS)	ID	XR (METERS)	YR (METERS)
-7.94	L0000003	403999.6	3766832.2
-32.49	L0000004	403999.6	3766832.2
-1.95	L0000005	403899.6	3766832.2
-32.63	L0000006	403899.6	3766832.2
-10.47	L0000008	403799.6	3766832.2
-3.53	L0000011	403699.6	3766932.2
-7.29	L0000012	403599.6	3766932.2
-26.18	L0000013	403599.6	3766932.2
-5.12	L0000014	403499.6	3766932.2
-37.68	L0000015	403499.6	3766932.2
-17.14	L0000017	403399.6	3766932.2
-5.47	L0000021	403199.6	3767032.2
-19.60	L0000022	403199.6	3767032.2
-7.33	L0000023	403099.6	3767032.2
-38.67	L0000024	403099.6	3767032.2
-23.70	L0000026	402999.6	3767032.2

*** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 6, 10\Segment 6, 10.isc
 *** 10/28/19
 *** AERMET - VERSION 16216 ***
 *** 16:09:50

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 *** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

PROCESSING ***
 *** METEOROLOGICAL DAYS SELECTED FOR
 (1=YES; 0=NO)

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
10	01	01	1	01	-38.6	0.384	-9.000	-9.000	-999.	572.	162.4	0.34	0.73	
1.00	3.10	321.		9.1	283.8	5.5								
10	01	01	1	02	-33.5	0.333	-9.000	-9.000	-999.	462.	121.8	0.34	0.73	
1.00	2.70	217.		9.1	282.5	5.5								
10	01	01	1	03	-21.9	0.218	-9.000	-9.000	-999.	251.	52.2	0.34	0.73	
1.00	1.80	290.		9.1	282.5	5.5								
10	01	01	1	04	-27.1	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	
1.00	2.20	255.		9.1	282.0	5.5								
10	01	01	1	05	-21.9	0.218	-9.000	-9.000	-999.	245.	52.2	0.34	0.73	
1.00	1.80	234.		9.1	282.0	5.5								
10	01	01	1	06	-27.1	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	
1.00	2.20	258.		9.1	282.0	5.5								
10	01	01	1	07	-27.2	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	
1.00	2.20	213.		9.1	281.4	5.5								
10	01	01	1	08	-22.6	0.335	-9.000	-9.000	-999.	466.	151.7	0.34	0.73	
0.54	2.70	215.		9.1	282.0	5.5								
10	01	01	1	09	26.9	0.249	0.347	0.008	56.	302.	-51.9	0.34	0.73	
0.32	1.80	199.		9.1	284.2	5.5								
10	01	01	1	10	65.3	0.365	0.593	0.008	116.	529.	-67.5	0.34	0.73	
0.24	2.70	117.		9.1	288.1	5.5								
10	01	01	1	11	94.5	0.374	0.933	0.008	311.	550.	-50.3	0.34	0.73	
0.21	2.70	243.		9.1	290.4	5.5								
10	01	01	1	12	103.9	0.279	1.087	0.008	448.	359.	-19.0	0.34	0.73	
0.20	1.80	130.		9.1	293.1	5.5								
10	01	01	1	13	83.7	0.273	1.073	0.008	533.	343.	-22.0	0.34	0.73	
0.20	1.80	282.		9.1	294.9	5.5								
10	01	01	1	14	82.0	0.218	1.112	0.008	606.	245.	-11.4	0.34	0.73	
0.21	1.30	290.		9.1	295.9	5.5								
10	01	01	1	15	38.9	0.202	0.881	0.008	636.	217.	-19.0	0.34	0.73	
0.25	1.30	192.		9.1	294.9	5.5								
10	01	01	1	16	11.4	0.181	0.588	0.008	643.	185.	-47.4	0.34	0.73	
0.33	1.30	218.		9.1	293.8	5.5								
10	01	01	1	17	-10.7	0.155	-9.000	-9.000	-999.	147.	31.4	0.34	0.73	
0.60	1.30	255.		9.1	292.0	5.5								
10	01	01	1	18	-5.5	0.104	-9.000	-9.000	-999.	81.	18.6	0.34	0.73	
1.00	0.90	129.		9.1	289.2	5.5								
10	01	01	1	19	-11.8	0.154	-9.000	-9.000	-999.	145.	27.8	0.34	0.73	
1.00	1.30	264.		9.1	287.5	5.5								
10	01	01	1	20	-11.8	0.154	-9.000	-9.000	-999.	144.	27.8	0.34	0.73	
1.00	1.30	25.		9.1	287.0	5.5								
10	01	01	1	21	-21.6	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	
1.00	1.80	343.		9.1	285.9	5.5								
10	01	01	1	22	-21.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	
1.00	1.80	332.		9.1	284.9	5.5								

```

10 01 01 1 23 -21.7 0.218 -9.000 -9.000 -999. 244. 52.2 0.34 0.73
1.00 1.80 178. 9.1 284.2 5.5
10 01 01 1 24 -11.8 0.154 -9.000 -9.000 -999. 145. 27.6 0.34 0.73
1.00 1.30 28. 9.1 283.1 5.5

```

First hour of profile data

```

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
10 01 01 01 5.5 0 -999. -99.00 283.8 99.0 -99.00 -99.00
10 01 01 01 9.1 1 321. 3.10 -999.0 99.0 -99.00 -99.00

```

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

```

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 6, 10\Segment
6, 10.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 16:09:50

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

```

X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC
- - - - -
402999.59 3766432.25 85.97252 402999.59
3766532.25 105.41629
402999.59 3766632.25 133.59945 402999.59
3766732.25 177.95839
402999.59 3767032.25 975.15400 402999.59
3767232.25 376.05952
402999.59 3767332.25 235.82785 402999.59
3767432.25 164.82144
403099.59 3766432.25 91.55353 403099.59

```

3766532.25	113.41785		
403099.59	3766632.25	145.49358	403099.59
3766732.25	197.13190		
403099.59	3766832.25	294.47462	403099.59
3767032.25	719.35912		
403099.59	3767132.25	649.79403	403099.59
3767332.25	227.26111		
403099.59	3767432.25	163.96882	403199.59
3766432.25	96.78261		
403199.59	3766532.25	121.10138	403199.59
3766632.25	157.29684		
403199.59	3766732.25	216.87689	403199.59
3766832.25	335.33114		
403199.59	3766932.25	714.59969	403199.59
3767032.25	672.02139		
403199.59	3767132.25	546.60833	403199.59
3767232.25	315.70537		
403199.59	3767432.25	160.40767	403299.59
3766432.25	101.50906		
403299.59	3766532.25	128.37613	403299.59
3766632.25	169.06635		
403299.59	3766732.25	238.14293	403299.59
3766832.25	384.69130		
403299.59	3766932.25	992.34341	403299.59
3767032.25	1252.16031		
403299.59	3767132.25	471.33385	403299.59
3767232.25	290.26956		
403299.59	3767332.25	205.37818	403399.59
3766432.25	105.61371		
403399.59	3766532.25	135.22263	403399.59
3766632.25	180.94676		
403399.59	3766732.25	261.34928	403399.59
3766832.25	447.17403		
403399.59	3766932.25	924.26986	403399.59
3767032.25	894.51107		
403399.59	3767132.25	414.00184	403399.59
3767232.25	267.40488		
403399.59	3767332.25	193.80706	403399.59
3767432.25	148.90461		
403499.59	3766432.25	108.88591	403499.59
3766532.25	141.44100		
403499.59	3766632.25	192.95465	403499.59
3766732.25	287.75949		
403499.59	3766832.25	532.70103	403499.59
3766932.25	729.24771		
403499.59	3767032.25	700.54260	403499.59
3767132.25	367.33562		
403499.59	3767232.25	246.33122	403499.59
3767332.25	182.10385		
403499.59	3767432.25	141.85838	403599.59

3766632.25 204.94712
403599.59 3766732.25 318.10012 403599.59
3766832.25 659.35335
403599.59 3766932.25 691.33945 403599.59
3767032.25 574.38968
403599.59 3767132.25 327.85971 403599.59
3767232.25 226.50730
403599.59 3767332.25 170.25538 403599.59
3767432.25 134.21598
403699.59 3766632.25 216.50897 403699.59
3766732.25 354.35027
403699.59 3766832.25 871.79441 403699.59
3766932.25 937.87158
403699.59 3767032.25 482.77318 403699.59
3767132.25 293.01515
403699.59 3767232.25 207.48739 403699.59
3767332.25 158.19828
403699.59 3767432.25 126.05283 403799.59
3766632.25 226.51196
403799.59 3766732.25 398.61470 403799.59
3766832.25 829.93023

▲ *** AERMOD - VERSION 18081 *** ** C:\Lakes\AERMOD View\Segment 6, 10\Segment
6, 10.isc *** 10/28/19
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
-----	-----	-----	-----
-----	-----	-----	-----

403799.59	3766932.25	938.15694	403799.59
3767032.25	410.85925		
403799.59	3767132.25	261.02058	403799.59
3767232.25	188.59591		
403799.59	3767332.25	145.75325	403799.59
3767432.25	117.35257		
403899.59	3766632.25	231.75257	403899.59
3766732.25	449.64408		
403899.59	3766832.25	675.51044	403899.59
3766932.25	705.97036		
403899.59	3767032.25	349.81739	403899.59
3767132.25	230.02531		
403899.59	3767232.25	169.43777	403899.59
3767332.25	132.76928		
403899.59	3767432.25	108.04127	403999.59
3766732.25	512.29287		
403999.59	3766832.25	621.09009	403999.59
3766932.25	537.92982		
403999.59	3767032.25	290.99817	403999.59
3767132.25	198.30603		
403999.59	3767232.25	149.48586	403999.59
3767332.25	118.60545		
403999.59	3767432.25	97.78395	402999.59
3767682.25	85.69853		
402999.59	3767932.25	54.18931	403249.59
3767682.25	89.20726		
403249.59	3767932.25	59.46665	403499.59
3767682.25	85.72924		
403499.59	3767932.25	60.04134	403749.59
3767682.25	79.80743		
403749.59	3767932.25	59.34112	403999.59
3767682.25	68.68622		
403999.59	3767932.25	54.31602	404249.59
3767682.25	55.96075		
404249.59	3767932.25	46.62438	404499.59
3767682.25	42.53747		
404499.59	3767932.25	37.86804	404249.59
3767432.25	72.11858		
404249.59	3767182.25	105.82452	404249.59
3766932.25	173.70564		
404249.59	3766182.25	43.40419	404249.59
3765932.25	30.72381		
404499.59	3767432.25	50.45239	404499.59
3767182.25	60.30715		
404499.59	3766932.25	64.54951	404499.59
3766182.25	32.43516		
404499.59	3765932.25	24.76070	403999.59
3765932.25	35.26948		
402749.59	3766182.25	49.42968	402749.59
3767432.25	142.34483		

402749.59	3767682.25	72.47804	402749.59
3767932.25	46.95860		
402499.59	3767432.25	83.85282	402499.59
3767682.25	53.21398		
402499.59	3767932.25	37.81607	404079.38
3767047.65	228.22449		
404236.48	3767117.92	123.83906	

```

^ *** AERMOD - VERSION 18081 ***   *** C:\Lakes\AERMOD View\Segment 6, 10\Segment
6, 10.isc                          ***   10/28/19
*** AERMET - VERSION 16216 ***   ***
***                               ***   16:09:50

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

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

ALL	1ST HIGHEST VALUE IS	1252.16031	AT (	403299.59,	3767032.25,		
69.00,	69.00, 0.00) DC						
	2ND HIGHEST VALUE IS	992.34341	AT (	403299.59,	3766932.25,		
69.00,	69.00, 0.00) DC						
	3RD HIGHEST VALUE IS	975.15400	AT (	402999.59,	3767032.25,		
67.00,	67.00, 0.00) DC						
	4TH HIGHEST VALUE IS	938.15694	AT (	403799.59,	3766932.25,		
70.92,	70.92, 0.00) DC						
	5TH HIGHEST VALUE IS	937.87158	AT (	403699.59,	3766932.25,		
70.14,	70.14, 0.00) DC						
	6TH HIGHEST VALUE IS	924.26986	AT (	403399.59,	3766932.25,		
69.00,	69.00, 0.00) DC						
	7TH HIGHEST VALUE IS	894.51107	AT (	403399.59,	3767032.25,		
69.07,	69.07, 0.00) DC						
	8TH HIGHEST VALUE IS	871.79441	AT (	403699.59,	3766832.25,		
70.52,	70.52, 0.00) DC						
	9TH HIGHEST VALUE IS	829.93023	AT (	403799.59,	3766832.25,		
72.85,	72.85, 0.00) DC						
	10TH HIGHEST VALUE IS	729.24771	AT (	403499.59,	3766932.25,		
70.00,	70.00, 0.00) DC						

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

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 6, 10\Segment
6, 10.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 16:09:50

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 5 Warning Message(s)
A Total of 1277 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 152 Calm Hours Identified

A Total of 1125 Missing Hours Identified (2.57 Percent)

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

***** WARNING MESSAGES *****
CO W320 22 URBOPT: Input Parameter May Be Out-of-Range for Parameter
URB-POP
ME W186 147 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 147 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 7, ORA I-5\Segment 7, ORA I-5.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 7, ORA I-5\Segment 7, ORA I-5.isc
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 140504
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 7, ORA I-5.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 106.00
** Configuration = Adjacent
** Emission Rate = 14.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 4
** 419404.870, 3737190.300, 35.65, 2.00, 49.30
** 418968.790, 3737867.250, 35.10, 2.00, 49.30
** 418666.200, 3738232.540, 35.50, 2.00, 49.30
** 418466.630, 3738374.120, 35.11, 2.00, 49.30

```



```

** -----
LOCATION L0000001    VOLUME  419376.168 3737234.856 35.74
LOCATION L0000002    VOLUME  419318.764 3737323.967 35.39
LOCATION L0000003    VOLUME  419261.360 3737413.078 35.33
LOCATION L0000004    VOLUME  419203.956 3737502.189 34.94
LOCATION L0000005    VOLUME  419146.552 3737591.300 35.06
LOCATION L0000006    VOLUME  419089.149 3737680.411 35.15
LOCATION L0000007    VOLUME  419031.745 3737769.522 35.22
LOCATION L0000008    VOLUME  418974.341 3737858.633 35.27
LOCATION L0000009    VOLUME  418907.709 3737940.988 35.19
LOCATION L0000010    VOLUME  418840.090 3738022.619 35.17
LOCATION L0000011    VOLUME  418772.470 3738104.250 35.95
LOCATION L0000012    VOLUME  418704.851 3738185.880 35.88
LOCATION L0000013    VOLUME  418629.162 3738258.815 35.74
LOCATION L0000014    VOLUME  418542.708 3738320.148 35.43

```

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

```

SRCPARAM L0000001    1.0      2.00     49.30     0.93
SRCPARAM L0000002    1.0      2.00     49.30     0.93
SRCPARAM L0000003    1.0      2.00     49.30     0.93
SRCPARAM L0000004    1.0      2.00     49.30     0.93
SRCPARAM L0000005    1.0      2.00     49.30     0.93
SRCPARAM L0000006    1.0      2.00     49.30     0.93
SRCPARAM L0000007    1.0      2.00     49.30     0.93
SRCPARAM L0000008    1.0      2.00     49.30     0.93
SRCPARAM L0000009    1.0      2.00     49.30     0.93
SRCPARAM L0000010    1.0      2.00     49.30     0.93
SRCPARAM L0000011    1.0      2.00     49.30     0.93
SRCPARAM L0000012    1.0      2.00     49.30     0.93
SRCPARAM L0000013    1.0      2.00     49.30     0.93
SRCPARAM L0000014    1.0      2.00     49.30     0.93

```

** -----

```

URBANSRC ALL
SRCGROUP ALL

```

S0 FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 7, ORA I-5.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

```
**
ME STARTING
SURFFILE "C:\Users\kheck\Desktop\MET
Data\FullertonAirportADJU\KFUL_V9_ADJU\KFUL_v9.SFC"
PROFFILE "C:\Users\kheck\Desktop\MET
Data\FullertonAirportADJU\KFUL_V9_ADJU\KFUL_v9.PFL"
SURFDATA 3166 2012
UAIRDATA 3190 2012
PROFBASE 25.2 METERS
ME FINISHED
**
```

```
*****
** AERMOD Output Pathway
*****
**
**
```

```
OU STARTING
** Auto-Generated Plotfiles
PLOTFILE ANNUAL ALL "Segment 7, ORA I-5.AD\AN00GALL.PLT" 31
SUMMFILE "Segment 7, ORA I-5.sum"
OU FINISHED
```

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

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

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

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

```
***** WARNING MESSAGES *****
ME W186 108 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 108 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

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

```
▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 7, ORA
I-5\Segment 7, ORA I-5.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 11:23:47
```

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 14 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 140504.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

- ADJ_U* - Use ADJ_U* option for SBL in AERMET
- CCVR_Sub - Meteorological data includes CCVR substitutions
- TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates ANNUAL Averages Only

**This Run Includes: 14 Source(s); 1 Source Group(s); and 148 Receptor(s)

- with: 0 POINT(s), including 0 POINTCAP(s) and 0 POINTHOR(s)
- and: 14 VOLUME source(s)
- and: 0 AREA type source(s)
- and: 0 LINE source(s)
- and: 0 OPENPIT source(s)
- and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 25.20 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 7, ORA I-5.err

**File for Summary of Results: Segment 7, ORA I-5.sum

▲ *** AERMOD - VERSION 18081 *** ** C:\Lakes\AERMOD View\Segment 7, ORA
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

SZ	SOURCE	SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID	CATS.	BY						
(METERS)								

L0000001	0	0.10000E+01	419376.2	3737234.9	35.7	2.00	49.30
0.93	YES						
L0000002	0	0.10000E+01	419318.8	3737324.0	35.4	2.00	49.30
0.93	YES						
L0000003	0	0.10000E+01	419261.4	3737413.1	35.3	2.00	49.30
0.93	YES						
L0000004	0	0.10000E+01	419204.0	3737502.2	34.9	2.00	49.30
0.93	YES						
L0000005	0	0.10000E+01	419146.6	3737591.3	35.1	2.00	49.30
0.93	YES						
L0000006	0	0.10000E+01	419089.1	3737680.4	35.1	2.00	49.30
0.93	YES						
L0000007	0	0.10000E+01	419031.7	3737769.5	35.2	2.00	49.30
0.93	YES						
L0000008	0	0.10000E+01	418974.3	3737858.6	35.3	2.00	49.30
0.93	YES						
L0000009	0	0.10000E+01	418907.7	3737941.0	35.2	2.00	49.30
0.93	YES						
L0000010	0	0.10000E+01	418840.1	3738022.6	35.2	2.00	49.30
0.93	YES						
L0000011	0	0.10000E+01	418772.5	3738104.2	35.9	2.00	49.30
0.93	YES						
L0000012	0	0.10000E+01	418704.9	3738185.9	35.9	2.00	49.30
0.93	YES						
L0000013	0	0.10000E+01	418629.2	3738258.8	35.7	2.00	49.30
0.93	YES						
L0000014	0	0.10000E+01	418542.7	3738320.1	35.4	2.00	49.30
0.93	YES						

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

ALL L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 ,

L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 ,

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 7, ORA
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0000005	140504.	L0000001 , L0000002 , L0000003 , L0000004 , L0000006 , L0000007 , L0000008 ,
L0000014		L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 7, ORA
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(418469.5, 3737328.2, 30.7, 30.7, 0.0);	(418469.5, 3737428.2, 31.2, 31.2, 0.0);
(418469.5, 3737528.2, 31.8, 31.8, 0.0);	(418469.5, 3737628.2, 32.0, 32.0, 0.0);
(418469.5, 3737728.2, 32.3, 32.3, 0.0);	(418469.5, 3737828.2, 33.0, 33.0, 0.0);
(418469.5, 3737928.2, 33.3, 33.3, 0.0);	(418469.5, 3738028.2, 34.0, 34.0, 0.0);
(418469.5, 3738128.2, 34.4, 34.4, 0.0);	(418569.5, 3737328.2, 31.4, 31.4, 0.0);
(418569.5, 3737428.2, 31.9, 31.9, 0.0);	(418569.5, 3737528.2, 31.8, 31.8, 0.0);

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(418569.5, 3737628.2, 32.5, 32.5, 0.0); (418569.5,
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(418569.5, 3737828.2, 33.6, 33.6, 0.0); (418569.5,
3737928.2, 34.0, 34.0, 0.0);
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(418869.5, 3737528.2, 33.4, 33.4, 0.0); (418869.5,
3737628.2, 33.9, 33.9, 0.0);
(418869.5, 3737728.2, 34.5, 34.5, 0.0); (418869.5,
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3737428.2, 34.0, 34.0, 0.0);
(419069.5, 3737528.2, 34.7, 34.7, 0.0); (419069.5,
3738128.2, 37.2, 37.2, 0.0);
(419069.5, 3738228.2, 38.0, 38.0, 0.0); (419069.5,
3738328.2, 38.4, 38.4, 0.0);
(419169.5, 3737328.2, 34.0, 34.0, 0.0); (419169.5,
3737428.2, 34.4, 34.4, 0.0);
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3738128.2, 37.5, 37.5, 0.0);
(419169.5, 3738228.2, 38.1, 38.1, 0.0); (419169.5,
3738328.2, 38.6, 38.6, 0.0);
(419269.5, 3737728.2, 36.0, 36.0, 0.0); (419269.5,

3737828.2, 36.7, 36.7, 0.0);
 (419269.5, 3737928.2, 37.1, 37.1, 0.0); (419269.5,
 3738028.2, 37.7, 37.7, 0.0);
 (419269.5, 3738128.2, 38.2, 38.2, 0.0); (419269.5,
 3738228.2, 38.8, 38.8, 0.0);
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 (419369.5, 3737828.2, 37.0, 37.0, 0.0); (419369.5,
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 (419369.5, 3738028.2, 38.2, 38.2, 0.0); (419369.5,
 3738128.2, 39.0, 39.0, 0.0);
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 (419469.5, 3737628.2, 37.0, 37.0, 0.0); (419469.5,
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 (419469.5, 3737828.2, 38.0, 38.0, 0.0); (419469.5,
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 (419469.5, 3738028.2, 39.0, 39.0, 0.0); (419469.5,
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 (419469.5, 3738228.2, 39.5, 39.5, 0.0); (419469.5,
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 (418719.5, 3738578.2, 38.0, 38.0, 0.0); (418719.5,
 3738828.2, 39.0, 39.0, 0.0);

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(418969.5, 3738578.2, 39.1, 39.1, 0.0); (418969.5,
 3738828.2, 40.0, 40.0, 0.0);
 (419219.5, 3738578.2, 40.1, 40.1, 0.0); (419219.5,
 3738828.2, 41.0, 41.0, 0.0);
 (419469.5, 3738578.2, 41.3, 41.3, 0.0); (419469.5,
 3738828.2, 42.1, 42.1, 0.0);
 (419719.5, 3738578.2, 42.5, 42.5, 0.0); (419719.5,
 3738828.2, 43.0, 43.0, 0.0);
 (419969.5, 3738578.2, 43.7, 43.7, 0.0); (419969.5,

3738828.2, 44.6, 44.6, 0.0);
(419719.5, 3738328.2, 41.5, 41.5, 0.0); (419719.5,
3738078.2, 40.0, 40.0, 0.0);
(419719.5, 3737828.2, 39.0, 39.0, 0.0); (419719.5,
3737578.2, 38.5, 38.5, 0.0);
(419719.5, 3737328.2, 38.6, 38.6, 0.0); (419719.5,
3737078.2, 38.5, 38.5, 0.0);
(419719.5, 3736828.2, 36.9, 36.9, 0.0); (419969.5,
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(419969.5, 3738078.2, 42.5, 42.5, 0.0); (419969.5,
3737828.2, 40.8, 40.8, 0.0);
(419969.5, 3737578.2, 39.8, 39.8, 0.0); (419969.5,
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(419969.5, 3737078.2, 39.0, 39.0, 0.0); (419969.5,
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(417969.5, 3738078.2, 32.0, 32.0, 0.0); (417969.5,
3738328.2, 33.0, 33.0, 0.0);
(417969.5, 3738578.2, 34.0, 34.0, 0.0); (417969.5,
3738828.2, 35.5, 35.5, 0.0);
(418450.2, 3738337.4, 35.0, 35.0, 0.0); (418535.4,
3738396.7, 36.0, 36.0, 0.0);
(419120.9, 3737722.2, 35.7, 35.7, 0.0); (419428.5,
3737233.0, 36.4, 36.4, 0.0);
(419347.0, 3737170.0, 35.0, 35.0, 0.0); (418924.5,
3737774.1, 35.0, 35.0, 0.0);

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 *** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
 BE PERFORMED *
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
 FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
-53.59	L000001	419428.5	3737233.0
-34.92	L000001	419347.0	3737170.0
-12.86	L000003	419169.5	3737428.2
-24.41	L000004	419169.5	3737428.2
-6.41	L000005	419069.5	3737528.2
-53.46	L000006	419120.9	3737722.2
-5.04	L000007	419120.9	3737722.2
-7.89	L000008	418924.5	3737774.1
-6.07	L000011	418869.5	3738128.2
-11.85	L000014	418450.2	3738337.4
-29.08	L000014	418535.4	3738396.7

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 *** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

12 01 01	1 21	-6.3	0.113	-9.000	-9.000	-999.	91.	20.5	0.26	2.61
1.00	1.11	304.	10.1	287.0	2.0					
12 01 01	1 22	-3.1	0.082	-9.000	-9.000	-999.	57.	16.3	0.26	2.61
1.00	0.75	76.	10.1	285.4	2.0					
12 01 01	1 23	-2.4	0.076	-9.000	-9.000	-999.	50.	16.7	0.26	2.61
1.00	0.62	306.	10.1	284.9	2.0					
12 01 01	1 24	-3.6	0.087	-9.000	-9.000	-999.	62.	16.6	0.26	2.61
1.00	0.82	318.	10.1	283.8	2.0					

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	322.	0.96	283.8	99.0	-99.00	-99.00

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

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
418469.47	3737328.25	29.31750	418469.47
3737428.25	33.25820		
418469.47	3737528.25	37.63822	418469.47
3737628.25	42.60510		
418469.47	3737728.25	48.48476	418469.47
3737828.25	55.80042		
418469.47	3737928.25	65.30844	418469.47
3738028.25	78.67342		
418469.47	3738128.25	100.03777	418569.47

3737328.25	34.09329		
418569.47	3737428.25	39.25341	418569.47
3737528.25	45.10246		
418569.47	3737628.25	52.02890	418569.47
3737728.25	60.60615		
418569.47	3737828.25	71.96091	418569.47
3737928.25	88.13312		
418569.47	3738028.25	113.88949	418669.47
3737328.25	40.18735		
418669.47	3737428.25	47.06032	418669.47
3737528.25	55.17023		
418669.47	3737628.25	65.07487	418669.47
3737728.25	78.08386		
418669.47	3737828.25	96.59201	418669.47
3737928.25	126.36829		
418769.47	3737328.25	48.22389	418769.47
3737428.25	57.82413		
418769.47	3737528.25	69.46864	418769.47
3737628.25	84.44633		
418769.47	3737728.25	105.57226	418769.47
3737828.25	139.60645		
418769.47	3737928.25	210.33835	418769.47
3738328.25	173.51253		
418869.47	3737328.25	59.53327	418869.47
3737428.25	73.63298		
418869.47	3737528.25	91.80729	418869.47
3737628.25	117.27441		
418869.47	3737728.25	157.85577	418869.47
3737828.25	242.37629		
418869.47	3738128.25	212.42625	418869.47
3738228.25	181.31112		
418869.47	3738328.25	119.34013	418969.47
3737328.25	76.86114		
418969.47	3737428.25	99.79134	418969.47
3737528.25	132.70660		
418969.47	3737628.25	188.94785	418969.47
3738128.25	174.37015		
418969.47	3738228.25	122.85896	418969.47
3738328.25	90.17877		
419069.47	3737328.25	107.25429	419069.47
3737428.25	152.46215		
419069.47	3737528.25	159.31215	419069.47
3738128.25	119.86070		
419069.47	3738228.25	91.82318	419069.47
3738328.25	71.65017		
419169.47	3737328.25	177.49822	419169.47
3737428.25	108.29996		
419169.47	3738028.25	112.57872	419169.47
3738128.25	89.46306		
419169.47	3738228.25	72.09986	419169.47

3738328.25	58.60121			
	419269.47	3737728.25	163.67776	419269.47
3737828.25	126.78262			
	419269.47	3737928.25	102.18120	419269.47
3738028.25	83.96658			
	419269.47	3738128.25	69.74423	419269.47
3738228.25	58.20358			
	419269.47	3738328.25	48.75886	419369.47
3737528.25	176.23031			
	419369.47	3737628.25	134.18823	419369.47
3737728.25	108.41134			
	419369.47	3737828.25	90.37095	419369.47
3737928.25	76.48683			
	419369.47	3738028.25	65.29788	419369.47
3738128.25	55.87600			
	419369.47	3738228.25	47.87531	419369.47
3738328.25	41.28922			
	419469.47	3737428.25	127.74289	419469.47
3737528.25	105.80136			
	419469.47	3737628.25	89.88438	419469.47
3737728.25	77.66986			

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 7, ORA
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L000001 , L000002
 , L000003 , L000004 , L000005 ,
 L000006 , L000007 , L000008 , L000009 , L000010
 , L000011 , L000012 , L000013 ,
 L000014 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
419469.47	3737828.25	67.72847	419469.47
3737928.25	59.38842		
419469.47	3738028.25	52.07123	419469.47

3738128.25	45.64232		
	419469.47	3738228.25	39.92639
3738328.25	35.21577		419469.47
	418469.47	3738578.25	49.93464
3738828.25	25.77655		418469.47
	418719.47	3738578.25	61.27455
3738828.25	30.47952		418719.47
	418969.47	3738578.25	47.10830
3738828.25	28.67400		418969.47
	419219.47	3738578.25	34.85596
3738828.25	25.24123		419219.47
	419469.47	3738578.25	26.07033
3738828.25	19.87056		419469.47
	419719.47	3738578.25	18.89210
3738828.25	15.27595		419719.47
	419969.47	3738578.25	13.88246
3738828.25	11.66837		419969.47
	419719.47	3738328.25	24.27469
3738078.25	30.43294		419719.47
	419719.47	3737828.25	37.22443
3737578.25	42.83750		419719.47
	419719.47	3737328.25	43.83164
3737078.25	31.39154		419719.47
	419719.47	3736828.25	19.16061
3738328.25	16.87639		419969.47
	419969.47	3738078.25	20.77475
3737828.25	23.80666		419969.47
	419969.47	3737578.25	24.91333
3737328.25	24.37863		419969.47
	419969.47	3737078.25	19.88965
3736828.25	14.39843		419969.47
	419469.47	3737078.25	62.09451
3736828.25	24.85815		419469.47
	419219.47	3737078.25	62.08966
3736828.25	26.25821		419219.47
	418969.47	3737078.25	40.08747
3736828.25	22.82521		418969.47
	418719.47	3737078.25	28.30450
3736828.25	18.71136		418719.47
	418469.47	3737078.25	21.06123
3736828.25	15.23250		418469.47
	418219.47	3737078.25	16.18950
3736828.25	12.44816		418219.47
	417969.47	3737078.25	12.73833
3736828.25	10.25449		417969.47
	418219.47	3737328.25	20.97252
3737578.25	26.48871		418219.47
	418219.47	3737828.25	32.81817
3738078.25	39.89746		418219.47
	418219.47	3738328.25	40.73457

3738578.25	27.39404			
	418219.47	3738828.25	18.72287	417969.47
3737328.25	15.66911			
	417969.47	3737578.25	18.68994	417969.47
3737828.25	21.52257			
	417969.47	3738078.25	23.53014	417969.47
3738328.25	22.27789			
	417969.47	3738578.25	17.54350	417969.47
3738828.25	13.70396			
	418450.16	3738337.43	64.45352	418535.40
3738396.72	79.08672			
	419120.94	3737722.23	151.57104	419428.54
3737233.04	87.19122			
	419347.01	3737170.04	73.18107	418924.52
3737774.12	194.54263			

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 I-5\Segment 7, ORA I-5.isc *** 10/28/19
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

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

ALL	1ST HIGHEST VALUE IS	242.37629 AT (	418869.47, 3737828.25,
34.99,	34.99, 0.00) DC		
	2ND HIGHEST VALUE IS	212.42625 AT (	418869.47, 3738128.25,
36.10,	36.10, 0.00) DC		
	3RD HIGHEST VALUE IS	210.33835 AT (	418769.47, 3737928.25,
35.00,	35.00, 0.00) DC		
	4TH HIGHEST VALUE IS	194.54263 AT (	418924.52, 3737774.12,
35.00,	35.00, 0.00) DC		
	5TH HIGHEST VALUE IS	188.94785 AT (	418969.47, 3737628.25,
34.68,	34.68, 0.00) DC		
	6TH HIGHEST VALUE IS	181.31112 AT (	418869.47, 3738228.25,
36.63,	36.63, 0.00) DC		
	7TH HIGHEST VALUE IS	177.49822 AT (	419169.47, 3737328.25,

34.04, 34.04, 0.00) DC
8TH HIGHEST VALUE IS 176.23031 AT (419369.47, 3737528.25,
37.00, 37.00, 0.00) DC
9TH HIGHEST VALUE IS 174.37015 AT (418969.47, 3738128.25,
36.83, 36.83, 0.00) DC
10TH HIGHEST VALUE IS 173.51253 AT (418769.47, 3738328.25,
37.00, 37.00, 0.00) DC

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

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 2285 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1588 Calm Hours Identified

A Total of 697 Missing Hours Identified (1.59 Percent)

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

***** WARNING MESSAGES *****
ME W186 108 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 108 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 8, ORA I-405\Segment 8, ORA I-405.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 8, ORA I-405\Segment 8, ORA I-405.isc
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 24440
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 8, ORA I-405.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 76.00
** Configuration = Adjacent
** Emission Rate = 21.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 2
** 401174.220, 3737642.470, 0.00, 2.00, 35.35
** 402748.930, 3737617.600, 0.00, 2.00, 35.35
** -----
  LOCATION L000001      VOLUME  401212.215 3737641.870 0.00

```

LOCATION L0000002	VOLUME	401288.206	3737640.670	0.00
LOCATION L0000003	VOLUME	401364.196	3737639.470	0.00
LOCATION L0000004	VOLUME	401440.187	3737638.269	0.00
LOCATION L0000005	VOLUME	401516.177	3737637.069	0.00
LOCATION L0000006	VOLUME	401592.168	3737635.869	0.00
LOCATION L0000007	VOLUME	401668.158	3737634.669	0.00
LOCATION L0000008	VOLUME	401744.149	3737633.469	0.00
LOCATION L0000009	VOLUME	401820.139	3737632.269	0.00
LOCATION L0000010	VOLUME	401896.130	3737631.069	0.00
LOCATION L0000011	VOLUME	401972.120	3737629.868	0.00
LOCATION L0000012	VOLUME	402048.111	3737628.668	0.00
LOCATION L0000013	VOLUME	402124.102	3737627.468	0.00
LOCATION L0000014	VOLUME	402200.092	3737626.268	0.00
LOCATION L0000015	VOLUME	402276.083	3737625.068	0.00
LOCATION L0000016	VOLUME	402352.073	3737623.868	0.00
LOCATION L0000017	VOLUME	402428.064	3737622.668	0.00
LOCATION L0000018	VOLUME	402504.054	3737621.467	0.00
LOCATION L0000019	VOLUME	402580.045	3737620.267	0.00
LOCATION L0000020	VOLUME	402656.035	3737619.067	0.00
LOCATION L0000021	VOLUME	402732.026	3737617.867	0.00

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001	1.0	2.00	35.35	0.93
SRCPARAM L0000002	1.0	2.00	35.35	0.93
SRCPARAM L0000003	1.0	2.00	35.35	0.93
SRCPARAM L0000004	1.0	2.00	35.35	0.93
SRCPARAM L0000005	1.0	2.00	35.35	0.93
SRCPARAM L0000006	1.0	2.00	35.35	0.93
SRCPARAM L0000007	1.0	2.00	35.35	0.93
SRCPARAM L0000008	1.0	2.00	35.35	0.93
SRCPARAM L0000009	1.0	2.00	35.35	0.93
SRCPARAM L0000010	1.0	2.00	35.35	0.93
SRCPARAM L0000011	1.0	2.00	35.35	0.93
SRCPARAM L0000012	1.0	2.00	35.35	0.93
SRCPARAM L0000013	1.0	2.00	35.35	0.93
SRCPARAM L0000014	1.0	2.00	35.35	0.93
SRCPARAM L0000015	1.0	2.00	35.35	0.93
SRCPARAM L0000016	1.0	2.00	35.35	0.93
SRCPARAM L0000017	1.0	2.00	35.35	0.93
SRCPARAM L0000018	1.0	2.00	35.35	0.93
SRCPARAM L0000019	1.0	2.00	35.35	0.93
SRCPARAM L0000020	1.0	2.00	35.35	0.93
SRCPARAM L0000021	1.0	2.00	35.35	0.93

**

 URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "Segment 8, ORA I-405.rou"
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**

ME STARTING
SURFFILE "C:\Users\kheck\Desktop\MET
Data\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.SFC"
PROFFILE "C:\Users\kheck\Desktop\MET
Data\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.PFL"
SURFDATA 23129 2012
UAIRDATA 3190 2012
PROFBASE 6.7 METERS
ME FINISHED
**

** AERMOD Output Pathway

**
**

OU STARTING
** Auto-Generated Plotfiles
PLOTFILE ANNUAL ALL "Segment 8, ORA I-405.AD\AN00GALL.PLT" 31
SUMMFILE "Segment 8, ORA I-405.sum"
OU FINISHED

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

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

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

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

***** WARNING MESSAGES *****
ME W186 120 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used

0.50
ME W187 120 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 8, ORA
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 21 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 24440.0 ; Urban Roughness Length = 1.000 m

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

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

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates ANNUAL Averages Only

**This Run Includes: 21 Source(s); 1 Source Group(s); and 69 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 21 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 6.70 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 8, ORA I-405.err

**File for Summary of Results: Segment 8, ORA I-405.sum

▲ *** AERMOD - VERSION 18081 *** ** C:\Lakes\AERMOD View\Segment 8, ORA
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L0000017	0	0.10000E+01	402428.1	3737622.7	0.0	2.00	35.35
0.93	YES						
L0000018	0	0.10000E+01	402504.1	3737621.5	0.0	2.00	35.35
0.93	YES						
L0000019	0	0.10000E+01	402580.0	3737620.3	0.0	2.00	35.35
0.93	YES						
L0000020	0	0.10000E+01	402656.0	3737619.1	0.0	2.00	35.35
0.93	YES						
L0000021	0	0.10000E+01	402732.0	3737617.9	0.0	2.00	35.35
0.93	YES						

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 8, ORA
 I-405\Segment 8, ORA I-405.isc *** 10/28/19
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

ALL L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 ,
 L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 ,
 L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 8, ORA
 I-405\Segment 8, ORA I-405.isc *** 10/28/19
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID URBAN POP

SOURCE IDs

24440. L0000001 , L0000002 , L0000003 , L0000004 ,

L0000005 , L0000006 , L0000007 ,
 L0000008 ,
 L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 ,
 L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 8, ORA
 I-405\Segment 8, ORA I-405.isc *** 10/28/19
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(401657.8, 3737731.5,	0.0,	0.0,	0.0);	(401657.8,
3737831.5,	0.0,	0.0,	0.0);	
(401657.8, 3737931.5,	0.0,	0.0,	0.0);	(401757.8,
3737731.5,	0.0,	0.0,	0.0);	
(401757.8, 3737831.5,	0.0,	0.0,	0.0);	(401757.8,
3737931.5,	0.0,	0.0,	0.0);	
(401757.8, 3738031.5,	0.0,	0.0,	0.0);	(401857.8,
3737731.5,	0.0,	0.0,	0.0);	
(401857.8, 3737831.5,	0.0,	0.0,	0.0);	(401857.8,
3737931.5,	0.0,	0.0,	0.0);	
(401857.8, 3738031.5,	0.0,	0.0,	0.0);	(401857.8,
3738131.5,	0.0,	0.0,	0.0);	
(401957.8, 3737731.5,	0.0,	0.0,	0.0);	(401957.8,
3737831.5,	0.0,	0.0,	0.0);	
(401957.8, 3737931.5,	0.0,	0.0,	0.0);	(401957.8,
3738031.5,	0.0,	0.0,	0.0);	
(401957.8, 3738131.5,	0.0,	0.0,	0.0);	(402057.8,
3737731.5,	0.0,	0.0,	0.0);	
(402057.8, 3737831.5,	0.0,	0.0,	0.0);	(402057.8,
3737931.5,	0.0,	0.0,	0.0);	
(402057.8, 3738031.5,	0.0,	0.0,	0.0);	(402057.8,
3738131.5,	0.0,	0.0,	0.0);	
(402157.8, 3737731.5,	0.0,	0.0,	0.0);	(402157.8,
3737831.5,	0.0,	0.0,	0.0);	
(402157.8, 3737931.5,	0.0,	0.0,	0.0);	(402157.8,
3738031.5,	0.0,	0.0,	0.0);	
(402157.8, 3738131.5,	0.0,	0.0,	0.0);	(402257.8,
3737731.5,	0.0,	0.0,	0.0);	
(402257.8, 3737831.5,	0.0,	0.0,	0.0);	(402257.8,
3737931.5,	0.0,	0.0,	0.0);	
(402257.8, 3738031.5,	0.0,	0.0,	0.0);	(402257.8,

```

3738131.5,      0.0,      0.0,      0.0);
  ( 402357.8, 3737731.5,      0.0,      0.0,      0.0);      ( 402357.8,
3737831.5,      0.0,      0.0,      0.0);
  ( 402357.8, 3737931.5,      0.0,      0.0,      0.0);      ( 402357.8,
3738031.5,      0.0,      0.0,      0.0);
  ( 402357.8, 3738131.5,      0.0,      0.0,      0.0);      ( 402457.8,
3737731.5,      0.0,      0.0,      0.0);
  ( 402457.8, 3737831.5,      0.0,      0.0,      0.0);      ( 402457.8,
3737931.5,      0.0,      0.0,      0.0);
  ( 402457.8, 3738031.5,      0.0,      0.0,      0.0);      ( 402457.8,
3738131.5,      0.0,      0.0,      0.0);
  ( 402557.8, 3737731.5,      0.0,      0.0,      0.0);      ( 402557.8,
3737831.5,      0.0,      0.0,      0.0);
  ( 402557.8, 3737931.5,      0.0,      0.0,      0.0);      ( 402557.8,
3738031.5,      0.0,      0.0,      0.0);
  ( 402557.8, 3738131.5,      0.0,      0.0,      0.0);      ( 402657.8,
3737731.5,      0.0,      0.0,      0.0);
  ( 402657.8, 3737831.5,      0.0,      0.0,      0.0);      ( 402657.8,
3737931.5,      0.0,      0.0,      0.0);
  ( 402657.8, 3738031.5,      0.0,      0.0,      0.0);      ( 402657.8,
3738131.5,      0.0,      0.0,      0.0);
  ( 402407.8, 3738381.5,      0.0,      0.0,      0.0);      ( 402657.8,
3738381.5,      0.0,      0.0,      0.0);
  ( 402907.8, 3738381.5,      0.0,      0.0,      0.0);      ( 402907.8,
3738631.5,      1.1,      1.1,      0.0);
  ( 403157.8, 3738381.5,      0.0,      0.0,      0.0);      ( 402907.8,
3738131.5,      0.0,      0.0,      0.0);
  ( 402907.8, 3737881.5,      0.0,      0.0,      0.0);      ( 403157.8,
3738131.5,      0.0,      0.0,      0.0);
  ( 403157.8, 3737881.5,      0.0,      0.0,      0.0);      ( 401157.8,
3738631.5,      0.0,      0.0,      0.0);
  ( 402417.9, 3737048.5,      0.0,      0.0,      0.0);      ( 403047.3,
3737018.3,      0.0,      0.0,      0.0);
  ( 402881.7, 3737181.0,      0.0,      0.0,      0.0);      ( 401170.3,
3737690.9,      0.0,      0.0,      0.0);
  ( 401170.3, 3737609.3,      0.0,      0.0,      0.0);      ( 402771.3,
3737579.7,      0.0,      0.0,      0.0);
  ( 402763.9, 3737664.9,      0.0,      0.0,      0.0);

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I-405\Segment 8, ORA I-405.isc      ***      10/28/19
*** AERMET - VERSION 16216 ***      ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *

LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR

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

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Surface file: C:\Users\kheck\Desktop\MET
 Data\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.SFC Met Version: 16216
 Profile file: C:\Users\kheck\Desktop\MET
 Data\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.PFL
 Surface format: FREE

Profile format: FREE

Surface station no.: 23129 Upper air station no.: 3190
 Name: UNKNOWN Name: UNKNOWN
 Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-5.3	0.094	-9.000	-9.000	-999.	70.	14.3	0.10	2.68	
1.00	1.13	322.			7.9	282.0	2.0							
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	
1.00	0.00	0.			7.9	281.4	2.0							
12	01	01	1	03	-2.5	0.068	-9.000	-9.000	-999.	43.	11.4	0.10	2.68	
1.00	0.74	79.			7.9	280.9	2.0							
12	01	01	1	04	-3.2	0.075	-9.000	-9.000	-999.	49.	11.7	0.10	2.68	
1.00	0.86	137.			7.9	280.9	2.0							
12	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	
1.00	0.00	0.			7.9	280.4	2.0							
12	01	01	1	06	-5.2	0.093	-9.000	-9.000	-999.	68.	14.0	0.10	2.68	
1.00	1.11	92.			7.9	279.9	2.0							
12	01	01	1	07	-2.3	0.066	-9.000	-9.000	-999.	41.	11.5	0.10	2.68	
1.00	0.69	67.			7.9	278.8	2.0							

12	01	01	1	08	-1.7	0.060	-9.000	-9.000	-999.	36.	11.4	0.10	2.68
0.54	0.65	91.			7.9	279.9	2.0						
12	01	01	1	09	36.2	-9.000	-9.000	-9.000	37.	-999.	-99999.0	0.10	2.68
0.31	0.00	0.			7.9	283.8	2.0						
12	01	01	1	10	108.4	0.139	0.707	0.009	119.	124.	-2.3	0.10	2.68
0.24	0.92	319.			7.9	287.5	2.0						
12	01	01	1	11	160.5	0.114	1.137	0.005	334.	93.	-1.0	0.10	2.68
0.21	0.62	23.			7.9	292.5	2.0						
12	01	01	1	12	186.7	0.125	1.473	0.005	623.	105.	-1.0	0.10	2.68
0.20	0.69	18.			7.9	295.4	2.0						
12	01	01	1	13	186.8	0.130	1.761	0.005	1065.	112.	-1.1	0.10	2.68
0.20	0.74	250.			7.9	297.5	2.0						
12	01	01	1	14	161.7	0.150	1.834	0.005	1387.	139.	-1.9	0.10	2.68
0.21	0.96	347.			7.9	300.4	2.0						
12	01	01	1	15	105.5	0.243	1.633	0.005	1499.	288.	-12.4	0.10	2.68
0.24	2.11	194.			7.9	295.9	2.0						
12	01	01	1	16	32.4	0.211	1.109	0.005	1530.	233.	-26.3	0.10	2.68
0.33	1.98	186.			7.9	295.4	2.0						
12	01	01	1	17	-20.5	0.250	-9.000	-9.000	-999.	300.	69.2	0.10	2.68
0.60	2.81	293.			7.9	291.4	2.0						
12	01	01	1	18	-25.4	0.257	-9.000	-9.000	-999.	313.	72.8	0.10	2.68
1.00	2.90	301.			7.9	288.1	2.0						
12	01	01	1	19	-21.0	0.211	-9.000	-9.000	-999.	233.	49.0	0.10	2.68
1.00	2.40	313.			7.9	286.4	2.0						
12	01	01	1	20	-25.7	0.258	-9.000	-9.000	-999.	315.	73.3	0.10	2.68
1.00	2.91	302.			7.9	286.4	2.0						
12	01	01	1	21	-22.5	0.225	-9.000	-9.000	-999.	256.	55.7	0.10	2.68
1.00	2.55	306.			7.9	285.4	2.0						
12	01	01	1	22	-9.3	0.126	-9.000	-9.000	-999.	111.	19.5	0.10	2.68
1.00	1.48	284.			7.9	285.9	2.0						
12	01	01	1	23	-21.4	0.214	-9.000	-9.000	-999.	237.	50.3	0.10	2.68
1.00	2.43	282.			7.9	285.4	2.0						
12	01	01	1	24	-30.1	0.300	-9.000	-9.000	-999.	394.	98.9	0.10	2.68
1.00	3.36	300.			7.9	284.2	2.0						

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	322.	1.13	282.1	99.0	-99.00	-99.00

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

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5

YEARS FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3737831.50	401657.75	3737731.50	349.87857	401657.75
3737731.50	401657.75	3737931.50	117.31285	401757.75
3737931.50	401757.75	3737831.50	176.45664	401757.75
3737731.50	401757.75	3738031.50	86.95860	401857.75
3737931.50	401857.75	3737831.50	175.59789	401857.75
3738131.50	401857.75	3738031.50	86.64138	401857.75
3737831.50	401957.75	3737731.50	336.02852	401957.75
3738031.50	401957.75	3737931.50	116.22237	401957.75
3737731.50	401957.75	3738131.50	66.65059	402057.75
3737931.50	402057.75	3737831.50	171.30066	402057.75
3738131.50	402057.75	3738031.50	84.03100	402057.75
3737831.50	402157.75	3737731.50	322.18695	402157.75
3738031.50	402157.75	3737931.50	111.52260	402157.75
3737731.50	402157.75	3738131.50	63.17169	402257.75
3737931.50	402257.75	3737831.50	162.93242	402257.75
3738131.50	402257.75	3738031.50	78.42392	402257.75

402357.75	3737731.50	303.52316	402357.75
3737831.50	156.33078		
402357.75	3737931.50	102.38494	402357.75
3738031.50	74.18680		
402357.75	3738131.50	57.07189	402457.75
3737731.50	289.50891		
402457.75	3737831.50	146.97363	402457.75
3737931.50	95.23227		
402457.75	3738031.50	68.65719	402457.75
3738131.50	52.67976		
402557.75	3737731.50	268.91097	402557.75
3737831.50	133.11600		
402557.75	3737931.50	85.36745	402557.75
3738031.50	61.34784		
402557.75	3738131.50	47.09581	402657.75
3737731.50	231.24215		
402657.75	3737831.50	111.34559	402657.75
3737931.50	71.60053		
402657.75	3738031.50	52.06314	402657.75
3738131.50	40.54187		
402407.75	3738381.50	33.13877	402657.75
3738381.50	25.50723		
402907.75	3738381.50	17.97471	402907.75
3738631.50	13.84535		
403157.75	3738381.50	12.58602	402907.75
3738131.50	24.76021		
402907.75	3737881.50	37.64520	403157.75
3738131.50	15.74415		
403157.75	3737881.50	20.41883	401157.75
3738631.50	24.33132		
402417.92	3737048.46	76.11879	403047.33
3737018.35	60.17504		
402881.69	3737180.97	85.25972	401170.35
3737690.86	136.62590		
401170.35	3737609.33	137.19886	402771.33
3737579.68	182.37211		
402763.92	3737664.92	111.30810	

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

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

ALL	1ST HIGHEST VALUE IS	349.87857 AT (	401657.75, 3737731.50,
0.00,	0.00, 0.00) DC		
	2ND HIGHEST VALUE IS	345.94454 AT (	401757.75, 3737731.50,
0.00,	0.00, 0.00) DC		
	3RD HIGHEST VALUE IS	341.10767 AT (	401857.75, 3737731.50,
0.00,	0.00, 0.00) DC		
	4TH HIGHEST VALUE IS	336.02852 AT (	401957.75, 3737731.50,
0.00,	0.00, 0.00) DC		
	5TH HIGHEST VALUE IS	329.61511 AT (	402057.75, 3737731.50,
0.00,	0.00, 0.00) DC		
	6TH HIGHEST VALUE IS	322.18695 AT (	402157.75, 3737731.50,
0.00,	0.00, 0.00) DC		
	7TH HIGHEST VALUE IS	313.95369 AT (	402257.75, 3737731.50,
0.00,	0.00, 0.00) DC		
	8TH HIGHEST VALUE IS	303.52316 AT (	402357.75, 3737731.50,
0.00,	0.00, 0.00) DC		
	9TH HIGHEST VALUE IS	289.50891 AT (	402457.75, 3737731.50,
0.00,	0.00, 0.00) DC		
	10TH HIGHEST VALUE IS	268.91097 AT (	402557.75, 3737731.50,
0.00,	0.00, 0.00) DC		

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

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

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

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

A Total of 1017 Informational Message(s)
A Total of 43848 Hours Were Processed
A Total of 747 Calm Hours Identified
A Total of 270 Missing Hours Identified (0.62 Percent)

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

***** WARNING MESSAGES *****
ME W186 120 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 120 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

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**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 9, RIV I-10\Segment 9, RIV I-10.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 9, RIV I-10\Segment 9, RIV I-10.isc
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 31026
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 9, RIV I-10.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 53.00
** Configuration = Adjacent
** Emission Rate = 34.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 3
** 508149.720, 3753800.090, 759.00, 2.00, 24.65
** 508335.580, 3753769.860, 755.00, 2.00, 24.65
** 509942.310, 3753769.270, 733.76, 2.00, 24.65
** -----

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LOCATION	L0000001	VOLUME	508175.876	3753795.836	759.00
LOCATION	L0000002	VOLUME	508228.189	3753787.327	757.71
LOCATION	L0000003	VOLUME	508280.501	3753778.818	756.72
LOCATION	L0000004	VOLUME	508332.814	3753770.310	755.15
LOCATION	L0000005	VOLUME	508385.778	3753769.842	754.30
LOCATION	L0000006	VOLUME	508438.778	3753769.822	754.13
LOCATION	L0000007	VOLUME	508491.778	3753769.803	753.77
LOCATION	L0000008	VOLUME	508544.778	3753769.783	753.13
LOCATION	L0000009	VOLUME	508597.778	3753769.764	752.23
LOCATION	L0000010	VOLUME	508650.778	3753769.744	751.55
LOCATION	L0000011	VOLUME	508703.778	3753769.725	750.70
LOCATION	L0000012	VOLUME	508756.778	3753769.705	749.93
LOCATION	L0000013	VOLUME	508809.778	3753769.686	749.00
LOCATION	L0000014	VOLUME	508862.778	3753769.666	748.03
LOCATION	L0000015	VOLUME	508915.778	3753769.647	746.63
LOCATION	L0000016	VOLUME	508968.778	3753769.627	745.86
LOCATION	L0000017	VOLUME	509021.778	3753769.608	744.98
LOCATION	L0000018	VOLUME	509074.778	3753769.589	744.03
LOCATION	L0000019	VOLUME	509127.778	3753769.569	742.56
LOCATION	L0000020	VOLUME	509180.778	3753769.550	741.71
LOCATION	L0000021	VOLUME	509233.778	3753769.530	740.13
LOCATION	L0000022	VOLUME	509286.778	3753769.511	740.14
LOCATION	L0000023	VOLUME	509339.778	3753769.491	738.82
LOCATION	L0000024	VOLUME	509392.778	3753769.472	737.12
LOCATION	L0000025	VOLUME	509445.778	3753769.452	736.38
LOCATION	L0000026	VOLUME	509498.778	3753769.433	736.30
LOCATION	L0000027	VOLUME	509551.778	3753769.413	735.85
LOCATION	L0000028	VOLUME	509604.778	3753769.394	736.12
LOCATION	L0000029	VOLUME	509657.778	3753769.374	735.89
LOCATION	L0000030	VOLUME	509710.778	3753769.355	735.12
LOCATION	L0000031	VOLUME	509763.778	3753769.336	735.11
LOCATION	L0000032	VOLUME	509816.778	3753769.316	735.05
LOCATION	L0000033	VOLUME	509869.778	3753769.297	734.74
LOCATION	L0000034	VOLUME	509922.777	3753769.277	733.17

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0000001	1.0	2.00	24.65	0.93
SRCPARAM	L0000002	1.0	2.00	24.65	0.93
SRCPARAM	L0000003	1.0	2.00	24.65	0.93
SRCPARAM	L0000004	1.0	2.00	24.65	0.93
SRCPARAM	L0000005	1.0	2.00	24.65	0.93
SRCPARAM	L0000006	1.0	2.00	24.65	0.93
SRCPARAM	L0000007	1.0	2.00	24.65	0.93
SRCPARAM	L0000008	1.0	2.00	24.65	0.93
SRCPARAM	L0000009	1.0	2.00	24.65	0.93
SRCPARAM	L0000010	1.0	2.00	24.65	0.93
SRCPARAM	L0000011	1.0	2.00	24.65	0.93
SRCPARAM	L0000012	1.0	2.00	24.65	0.93
SRCPARAM	L0000013	1.0	2.00	24.65	0.93

SRCPARAM L0000014	1.0	2.00	24.65	0.93
SRCPARAM L0000015	1.0	2.00	24.65	0.93
SRCPARAM L0000016	1.0	2.00	24.65	0.93
SRCPARAM L0000017	1.0	2.00	24.65	0.93
SRCPARAM L0000018	1.0	2.00	24.65	0.93
SRCPARAM L0000019	1.0	2.00	24.65	0.93
SRCPARAM L0000020	1.0	2.00	24.65	0.93
SRCPARAM L0000021	1.0	2.00	24.65	0.93
SRCPARAM L0000022	1.0	2.00	24.65	0.93
SRCPARAM L0000023	1.0	2.00	24.65	0.93
SRCPARAM L0000024	1.0	2.00	24.65	0.93
SRCPARAM L0000025	1.0	2.00	24.65	0.93
SRCPARAM L0000026	1.0	2.00	24.65	0.93
SRCPARAM L0000027	1.0	2.00	24.65	0.93
SRCPARAM L0000028	1.0	2.00	24.65	0.93
SRCPARAM L0000029	1.0	2.00	24.65	0.93
SRCPARAM L0000030	1.0	2.00	24.65	0.93
SRCPARAM L0000031	1.0	2.00	24.65	0.93
SRCPARAM L0000032	1.0	2.00	24.65	0.93
SRCPARAM L0000033	1.0	2.00	24.65	0.93
SRCPARAM L0000034	1.0	2.00	24.65	0.93

**

 URBANSRC ALL
 SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 9, RIV I-10.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\kheck\Desktop\MET Data\BanningADJU

(1)\BNAP_V9_ADJU\BNAP_v9.SFC"

PROFFILE "C:\Users\kheck\Desktop\MET Data\BanningADJU

(1)\BNAP_V9_ADJU\BNAP_v9.PFL"

SURFDATA 3171 2011

UAIRDATA 3190 2011

SITEDATA 99999 2011

PROFBASE 716.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING

** Auto-Generated Plotfiles
PLOTFILE ANNUAL ALL "Segment 9, RIV I-10.AD\AN00GALL.PLT" 31
SUMMFILE "Segment 9, RIV I-10.sum"

OU FINISHED

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

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

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

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

***** WARNING MESSAGES *****
ME W186 148 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
ME W187 148 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 9, RIV
I-10\Segment 9, RIV I-10.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
 *** 12:20:08

 PAGE 1
*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 34 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 31026.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates ANNUAL Averages Only

**This Run Includes: 34 Source(s); 1 Source Group(s); and 183
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 34 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

Hours

b for Both Calm

and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 716.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 9, RIV I-10.err

**File for Summary of Results: Segment 9, RIV I-10.sum

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 9, RIV
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0000001	0	0.10000E+01	508175.9	3753795.8	759.0	2.00	24.65
0.93	YES						
L0000002	0	0.10000E+01	508228.2	3753787.3	757.7	2.00	24.65
0.93	YES						
L0000003	0	0.10000E+01	508280.5	3753778.8	756.7	2.00	24.65

0.93	YES							
L0000004		0	0.10000E+01	508332.8	3753770.3	755.1	2.00	24.65
0.93	YES							
L0000005		0	0.10000E+01	508385.8	3753769.8	754.3	2.00	24.65
0.93	YES							
L0000006		0	0.10000E+01	508438.8	3753769.8	754.1	2.00	24.65
0.93	YES							
L0000007		0	0.10000E+01	508491.8	3753769.8	753.8	2.00	24.65
0.93	YES							
L0000008		0	0.10000E+01	508544.8	3753769.8	753.1	2.00	24.65
0.93	YES							
L0000009		0	0.10000E+01	508597.8	3753769.8	752.2	2.00	24.65
0.93	YES							
L0000010		0	0.10000E+01	508650.8	3753769.7	751.5	2.00	24.65
0.93	YES							
L0000011		0	0.10000E+01	508703.8	3753769.7	750.7	2.00	24.65
0.93	YES							
L0000012		0	0.10000E+01	508756.8	3753769.7	749.9	2.00	24.65
0.93	YES							
L0000013		0	0.10000E+01	508809.8	3753769.7	749.0	2.00	24.65
0.93	YES							
L0000014		0	0.10000E+01	508862.8	3753769.7	748.0	2.00	24.65
0.93	YES							
L0000015		0	0.10000E+01	508915.8	3753769.6	746.6	2.00	24.65
0.93	YES							
L0000016		0	0.10000E+01	508968.8	3753769.6	745.9	2.00	24.65
0.93	YES							
L0000017		0	0.10000E+01	509021.8	3753769.6	745.0	2.00	24.65
0.93	YES							
L0000018		0	0.10000E+01	509074.8	3753769.6	744.0	2.00	24.65
0.93	YES							
L0000019		0	0.10000E+01	509127.8	3753769.6	742.6	2.00	24.65
0.93	YES							
L0000020		0	0.10000E+01	509180.8	3753769.5	741.7	2.00	24.65
0.93	YES							
L0000021		0	0.10000E+01	509233.8	3753769.5	740.1	2.00	24.65
0.93	YES							
L0000022		0	0.10000E+01	509286.8	3753769.5	740.1	2.00	24.65
0.93	YES							
L0000023		0	0.10000E+01	509339.8	3753769.5	738.8	2.00	24.65
0.93	YES							
L0000024		0	0.10000E+01	509392.8	3753769.5	737.1	2.00	24.65
0.93	YES							
L0000025		0	0.10000E+01	509445.8	3753769.5	736.4	2.00	24.65
0.93	YES							
L0000026		0	0.10000E+01	509498.8	3753769.4	736.3	2.00	24.65
0.93	YES							
L0000027		0	0.10000E+01	509551.8	3753769.4	735.8	2.00	24.65
0.93	YES							
L0000028		0	0.10000E+01	509604.8	3753769.4	736.1	2.00	24.65

0.93	YES							
L0000029		0	0.10000E+01	509657.8	3753769.4	735.9	2.00	24.65
0.93	YES							
L0000030		0	0.10000E+01	509710.8	3753769.4	735.1	2.00	24.65
0.93	YES							
L0000031		0	0.10000E+01	509763.8	3753769.3	735.1	2.00	24.65
0.93	YES							
L0000032		0	0.10000E+01	509816.8	3753769.3	735.0	2.00	24.65
0.93	YES							
L0000033		0	0.10000E+01	509869.8	3753769.3	734.7	2.00	24.65
0.93	YES							
L0000034		0	0.10000E+01	509922.8	3753769.3	733.2	2.00	24.65

0.93 YES
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 *** 12:20:08

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006	, L0000007 , L0000008 ,
L0000014	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
	, L0000015 , L0000016 ,
L0000022	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
	, L0000023 , L0000024 ,
L0000030	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
	, L0000031 , L0000032 ,
	L0000033 , L0000034 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0000005	31026.	L0000001	L0000002	L0000003	L0000004		
L0000008		L0000006	L0000007				
L0000014		L0000009	L0000010	L0000011	L0000012	L0000013	
		L0000015	L0000016				
L0000022		L0000017	L0000018	L0000019	L0000020	L0000021	
		L0000023	L0000024				
L0000030		L0000025	L0000026	L0000027	L0000028	L0000029	
		L0000031	L0000032				
		L0000033	L0000034				

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 9, RIV
 I-10\Segment 9, RIV I-10.isc *** 10/28/19
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

(508657.4, 3753281.8, 736.7, 1331.0, 0.0); (508657.4,
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 (508657.4, 3753481.8, 742.5, 1331.0, 0.0); (508657.4,
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 (508657.4, 3753681.8, 748.3, 1331.0, 0.0); (508657.4,
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 (508657.4, 3753881.8, 755.1, 1323.0, 0.0); (508657.4,
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 (508757.4, 3753581.8, 743.9, 1331.0, 0.0); (508757.4,
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( 509257.4, 3753681.8, 737.3, 1331.0, 0.0); ( 509257.4,
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( 509257.4, 3754081.8, 746.7, 1331.0, 0.0); ( 509257.4,
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^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 9, RIV
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

```

( 509457.4, 3753481.8, 730.3, 1331.0, 0.0); ( 509457.4,
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( 509457.4, 3753681.8, 733.6, 1331.0, 0.0); ( 509457.4,
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( 509457.4, 3753881.8, 740.9, 1331.0, 0.0); ( 509457.4,
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( 509457.4, 3754081.8, 747.2, 1331.0, 0.0); ( 509457.4,
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( 509457.4, 3754281.8, 753.8, 899.0, 0.0); ( 509557.4,
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( 509557.4, 3753381.8, 724.4, 1331.0, 0.0); ( 509557.4,
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( 509557.4, 3753581.8, 731.1, 1331.0, 0.0); ( 509557.4,
3753681.8, 732.4, 1331.0, 0.0);

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(509557.4, 3753781.8, 736.5, 1331.0, 0.0); (509557.4,
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(509557.4, 3753981.8, 743.2, 1331.0, 0.0); (509557.4,
3754081.8, 746.5, 1331.0, 0.0);
(509557.4, 3754181.8, 749.9, 1331.0, 0.0); (509557.4,
3754281.8, 753.2, 1323.0, 0.0);
(509657.4, 3753281.8, 719.1, 1331.0, 0.0); (509657.4,
3753381.8, 722.6, 1331.0, 0.0);
(509657.4, 3753481.8, 727.5, 1331.0, 0.0); (509657.4,
3753581.8, 730.9, 1331.0, 0.0);
(509657.4, 3753681.8, 733.4, 1331.0, 0.0); (509657.4,
3753781.8, 736.3, 1331.0, 0.0);
(509657.4, 3753881.8, 739.7, 1331.0, 0.0); (509657.4,
3753981.8, 742.2, 1331.0, 0.0);
(509657.4, 3754081.8, 745.4, 1331.0, 0.0); (509657.4,
3754181.8, 748.6, 1331.0, 0.0);
(509657.4, 3754281.8, 752.2, 1323.0, 0.0); (508657.4,
3754531.8, 773.6, 899.0, 0.0);
(508657.4, 3754781.8, 783.8, 916.0, 0.0); (508907.4,
3754531.8, 766.4, 899.0, 0.0);
(508907.4, 3754781.8, 779.5, 906.0, 0.0); (509157.4,
3754531.8, 765.5, 899.0, 0.0);
(509157.4, 3754781.8, 776.9, 963.0, 0.0); (509407.4,
3754531.8, 765.5, 963.0, 0.0);
(509657.4, 3754531.8, 763.9, 963.0, 0.0); (509907.4,
3754531.8, 759.2, 963.0, 0.0);
(509907.4, 3754781.8, 769.3, 963.0, 0.0); (510157.4,
3754531.8, 751.6, 963.0, 0.0);
(510157.4, 3754781.8, 760.7, 963.0, 0.0); (509907.4,
3754281.8, 749.3, 1331.0, 0.0);
(509907.4, 3754031.8, 739.9, 1331.0, 0.0); (509907.4,
3753781.8, 734.0, 1331.0, 0.0);
(509907.4, 3753531.8, 728.2, 1331.0, 0.0); (509907.4,
3753281.8, 722.0, 1331.0, 0.0);
(509907.4, 3753031.8, 715.5, 1331.0, 0.0); (509907.4,
3752781.8, 707.4, 1331.0, 0.0);
(510157.4, 3754281.8, 743.4, 1331.0, 0.0); (510157.4,
3754031.8, 736.0, 1331.0, 0.0);
(510157.4, 3753781.8, 729.6, 1331.0, 0.0); (510157.4,
3753531.8, 723.3, 1331.0, 0.0);
(510157.4, 3753281.8, 718.1, 1331.0, 0.0); (510157.4,
3753031.8, 711.1, 1331.0, 0.0);
(510157.4, 3752781.8, 707.9, 1331.0, 0.0); (509657.4,
3753031.8, 718.9, 1331.0, 0.0);
(509657.4, 3752781.8, 716.0, 1331.0, 0.0); (509407.4,
3753031.8, 723.1, 1331.0, 0.0);
(509407.4, 3752781.8, 719.0, 1331.0, 0.0); (509157.4,
3753031.8, 726.0, 1331.0, 0.0);
(509157.4, 3752781.8, 722.1, 1331.0, 0.0); (508907.4,
3753031.8, 727.4, 1331.0, 0.0);

(508907.4, 3752781.8, 723.2, 1331.0, 0.0); (508657.4,
3753031.8, 731.1, 1331.0, 0.0);
(508657.4, 3752781.8, 729.3, 1331.0, 0.0); (508407.4,
3753031.8, 736.5, 1331.0, 0.0);
(508407.4, 3752781.8, 731.2, 1331.0, 0.0); (508157.4,
3753031.8, 736.5, 1331.0, 0.0);
(508157.4, 3752781.8, 732.2, 1331.0, 0.0); (508407.4,
3753281.8, 741.9, 1331.0, 0.0);
(508407.4, 3753531.8, 747.6, 1331.0, 0.0); (508407.4,
3753781.8, 754.5, 1323.0, 0.0);
(508407.4, 3754031.8, 763.9, 892.0, 0.0); (508407.4,
3754281.8, 773.6, 894.0, 0.0);
(508407.4, 3754531.8, 782.0, 898.0, 0.0); (508407.4,
3754781.8, 792.2, 901.0, 0.0);
(508157.4, 3753281.8, 744.0, 1331.0, 0.0); (508157.4,
3753531.8, 751.2, 1331.0, 0.0);
(508157.4, 3753781.8, 758.5, 758.5, 0.0); (508157.4,
3754031.8, 768.9, 768.9, 0.0);
(508157.4, 3754281.8, 778.2, 892.0, 0.0); (508157.4,
3754531.8, 788.9, 896.0, 0.0);
(508157.4, 3754781.8, 798.8, 897.0, 0.0); (510618.1,
3754115.1, 728.5, 1331.0, 0.0);
(510554.0, 3754655.3, 743.5, 1042.0, 0.0); (508146.1,
3753841.5, 760.5, 760.5, 0.0);
(508125.3, 3753752.7, 758.5, 758.5, 0.0); (508266.2,
3753737.0, 755.2, 1323.0, 0.0);

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I-10\Segment 9, RIV I-10.isc *** 10/28/19
*** AERMET - VERSION 16216 ***
*** 12:20:08

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(509937.1, 3753742.3, 733.1, 1331.0, 0.0); (509942.3,
3753810.1, 734.1, 1331.0, 0.0);
(508313.2, 3753815.4, 757.2, 757.2, 0.0);

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I-10\Segment 9, RIV I-10.isc *** 10/28/19
*** AERMET - VERSION 16216 ***
*** 12:20:08

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

BE PERFORMED *
FASTAREA/FASTALL

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
-29.75	L0000001	508157.4	3753781.8
-8.85	L0000003	508266.2	3753737.0
-3.93	L0000003	508313.2	3753815.4
-3.87	L0000004	508313.2	3753815.4
-28.33	L0000005	508407.4	3753781.8
-19.41	L0000006	508407.4	3753781.8
-39.30	L0000010	508657.4	3753781.8
-5.07	L0000011	508657.4	3753781.8
-40.94	L0000012	508757.4	3753781.8
0.77	L0000013	508757.4	3753781.8
-3.89	L0000013	508857.4	3753781.8
-39.76	L0000014	508857.4	3753781.8
-9.67	L0000015	508957.4	3753781.8
-36.36	L0000016	508957.4	3753781.8
-15.38	L0000017	509057.4	3753781.8
-31.77	L0000018	509057.4	3753781.8
-20.99	L0000019	509157.4	3753781.8
-26.61	L0000020	509157.4	3753781.8
	L0000021	509257.4	3753781.8

1 1 1 1 1 1 1 1 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 18081 *** ** C:\Lakes\AERMOD View\Segment 9, RIV I-10\Segment 9, RIV I-10.isc *** 10/28/19
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

Surface file: C:\Users\kheck\Desktop\MET Data\BanningADJU(1)\BNAP_V9_ADJU\BNAP_v9.SFC Met Version: 16216
 Profile file: C:\Users\kheck\Desktop\MET Data\BanningADJU(1)\BNAP_V9_ADJU\BNAP_v9.PFL
 Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
 Name: UNKNOWN Name: UNKNOWN
 Year: 2011 Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
11	01	01	1	01	-50.0	0.519	-9.000	-9.000	-999.	897.	296.2	0.15	4.23	
1.00		5.40	108.		9.1	274.2	5.5							
11	01	01	1	02	-54.0	0.559	-9.000	-9.000	-999.	1002.	343.7	0.15	4.23	
1.00		5.80	113.		9.1	273.8	5.5							
11	01	01	1	03	-50.2	0.519	-9.000	-9.000	-999.	899.	296.1	0.15	4.23	
1.00		5.40	112.		9.1	273.1	5.5							
11	01	01	1	04	-45.5	0.469	-9.000	-9.000	-999.	773.	241.8	0.15	4.23	

1.00	4.90	111.	9.1	272.5	5.5								
11 01 01	1 05	-13.5	0.164	-9.000	-9.000	-999.	293.	29.5	0.15	4.23			
1.00	1.80	78.	9.1	270.9	5.5								
11 01 01	1 06	-19.9	0.203	-9.000	-9.000	-999.	220.	45.4	0.15	4.23			
1.00	2.20	58.	9.1	270.4	5.5								
11 01 01	1 07	-19.9	0.203	-9.000	-9.000	-999.	220.	45.4	0.15	4.23			
1.00	2.20	54.	9.1	270.4	5.5								
11 01 01	1 08	-12.2	0.206	-9.000	-9.000	-999.	224.	60.4	0.15	4.23			
0.55	2.20	60.	9.1	270.9	5.5								
11 01 01	1 09	45.6	0.455	0.587	0.005	150.	738.	-174.7	0.15	4.23			
0.34	4.50	96.	9.1	273.8	5.5								
11 01 01	1 10	126.7	0.592	0.981	0.005	252.	1092.	-138.5	0.15	4.23			
0.27	5.80	102.	9.1	274.9	5.5								
11 01 01	1 11	195.5	0.684	1.823	0.009	1048.	1355.	-138.3	0.15	4.23			
0.25	6.70	100.	9.1	275.9	5.5								
11 01 01	1 12	229.2	0.688	2.066	0.009	1302.	1370.	-120.1	0.15	4.23			
0.24	6.70	96.	9.1	276.4	5.5								
11 01 01	1 13	190.6	0.647	1.999	0.009	1417.	1254.	-120.0	0.15	4.23			
0.24	6.30	95.	9.1	277.0	5.5								
11 01 01	1 14	115.4	0.590	1.708	0.009	1459.	1094.	-150.2	0.15	4.23			
0.26	5.80	98.	9.1	277.0	5.5								
11 01 01	1 15	101.2	0.588	1.649	0.009	1496.	1081.	-169.0	0.15	4.23			
0.29	5.80	99.	9.1	276.4	5.5								
11 01 01	1 16	27.7	0.534	1.074	0.009	1507.	940.	-462.4	0.15	4.23			
0.38	5.40	103.	9.1	276.4	5.5								
11 01 01	1 17	-42.8	0.469	-9.000	-9.000	-999.	777.	242.4	0.15	4.23			
0.67	4.90	106.	9.1	275.9	5.5								
11 01 01	1 18	-32.7	0.340	-9.000	-9.000	-999.	489.	127.2	0.15	4.23			
1.00	3.60	100.	9.1	274.9	5.5								
11 01 01	1 19	-24.4	0.252	-9.000	-9.000	-999.	308.	69.8	0.15	4.23			
1.00	2.70	70.	9.1	273.1	5.5								
11 01 01	1 20	-28.2	0.291	-9.000	-9.000	-999.	377.	93.1	0.15	4.23			
1.00	3.10	85.	9.1	273.1	5.5								
11 01 01	1 21	-28.2	0.291	-9.000	-9.000	-999.	377.	93.1	0.15	4.23			
1.00	3.10	82.	9.1	273.1	5.5								
11 01 01	1 22	-24.5	0.252	-9.000	-9.000	-999.	304.	69.8	0.15	4.23			
1.00	2.70	64.	9.1	272.5	5.5								
11 01 01	1 23	-24.5	0.252	-9.000	-9.000	-999.	304.	69.8	0.15	4.23			
1.00	2.70	61.	9.1	272.5	5.5								
11 01 01	1 24	-24.5	0.252	-9.000	-9.000	-999.	304.	69.8	0.15	4.23			
1.00	2.70	76.	9.1	272.5	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	274.3	99.0	-99.00	-99.00
11	01	01	01	9.1	1	108.	5.40	-999.0	99.0	-99.00	-99.00

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

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I-10\Segment 9, RIV I-10.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
508657.38	3753281.75	35.01604	508657.38
3753381.75	46.35701		
508657.38	3753481.75	66.95990	508657.38
3753581.75	116.66087		
508657.38	3753681.75	311.00699	508657.38
3753781.75	840.31994		
508657.38	3753881.75	273.73286	508657.38
3753981.75	100.21565		
508657.38	3754081.75	44.86452	508657.38
3754181.75	23.52386		
508657.38	3754281.75	13.88316	508757.38
3753281.75	35.71358		
508757.38	3753381.75	48.23289	508757.38
3753481.75	71.18692		
508757.38	3753581.75	124.82172	508757.38
3753681.75	328.53572		
508757.38	3753781.75	915.26859	508757.38
3753881.75	293.57854		
508757.38	3753981.75	113.12397	508757.38
3754081.75	52.82899		
508757.38	3754181.75	27.52153	508757.38
3754281.75	16.07992		

508857.38	3753281.75	36.54344	508857.38
3753381.75	50.07141		
508857.38	3753481.75	75.07006	508857.38
3753581.75	132.96246		
508857.38	3753681.75	340.95750	508857.38
3753781.75	670.79339		
508857.38	3753881.75	306.43860	508857.38
3753981.75	122.49198		
508857.38	3754081.75	59.25831	508857.38
3754181.75	32.30834		
508857.38	3754281.75	18.80603	508957.38
3753281.75	37.25049		
508957.38	3753381.75	51.75795	508957.38
3753481.75	78.86163		
508957.38	3753581.75	139.04320	508957.38
3753681.75	350.92318		
508957.38	3753781.75	688.36111	508957.38
3753881.75	316.22886		
508957.38	3753981.75	131.45977	508957.38
3754081.75	66.26139		
508957.38	3754181.75	37.19695	508957.38
3754281.75	22.20600		
509057.38	3753281.75	38.13639	509057.38
3753381.75	53.40899		
509057.38	3753481.75	81.83603	509057.38
3753581.75	144.82488		
509057.38	3753681.75	357.72545	509057.38
3753781.75	709.17497		
509057.38	3753881.75	324.41069	509057.38
3753981.75	139.79944		
509057.38	3754081.75	71.36578	509057.38
3754181.75	41.40563		
509057.38	3754281.75	25.59201	509157.38
3753281.75	38.63516		
509157.38	3753381.75	54.89852	509157.38
3753481.75	84.51235		
509157.38	3753581.75	148.00222	509157.38
3753681.75	365.68632		
509157.38	3753781.75	730.33956	509157.38
3753881.75	330.40339		
509157.38	3753981.75	145.74127	509157.38
3754081.75	77.10831		
509157.38	3754181.75	44.54365	509157.38
3754281.75	27.56390		
509257.38	3753281.75	38.85374	509257.38
3753381.75	55.71333		
509257.38	3753481.75	86.17708	509257.38
3753581.75	150.03509		
509257.38	3753681.75	362.39931	509257.38
3753781.75	773.31809		

509257.38	3753881.75	330.56254	509257.38
3753981.75	150.51389		
509257.38	3754081.75	82.04549	509257.38
3754181.75	47.04865		
509257.38	3754281.75	29.04188	509357.38
3753281.75	38.61076		
509357.38	3753381.75	56.00900	509357.38
3753481.75	86.39542		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
509357.38	3753581.75	149.34202	509357.38
3753681.75	349.38111		
509357.38	3753781.75	797.32591	509357.38
3753881.75	339.34170		
509357.38	3753981.75	150.46796	509357.38
3754081.75	82.12060		
509357.38	3754181.75	48.93471	509357.38
3754281.75	30.58197		
509457.38	3753281.75	37.37250	509457.38
3753381.75	55.43549		
509457.38	3753481.75	86.14193	509457.38
3753581.75	152.68491		
509457.38	3753681.75	364.78091	509457.38

3753781.75	861.08059			
	509457.38	3753881.75	338.55216	509457.38
3753981.75	149.28486			
	509457.38	3754081.75	83.15300	509457.38
3754181.75	50.80337			
	509457.38	3754281.75	32.41450	509557.38
3753281.75	35.43145			
	509557.38	3753381.75	52.37845	509557.38
3753481.75	84.93549			
	509557.38	3753581.75	151.25956	509557.38
3753681.75	362.37195			
	509557.38	3753781.75	919.10905	509557.38
3753881.75	340.46881			
	509557.38	3753981.75	149.66726	509557.38
3754081.75	84.75042			
	509557.38	3754181.75	52.68630	509557.38
3754281.75	34.18423			
	509657.38	3753281.75	33.84889	509657.38
3753381.75	50.16719			
	509657.38	3753481.75	81.75961	509657.38
3753581.75	149.08043			
	509657.38	3753681.75	370.28032	509657.38
3753781.75	1102.82333			
	509657.38	3753881.75	336.04518	509657.38
3753981.75	149.55773			
	509657.38	3754081.75	86.46809	509657.38
3754181.75	54.81369			
	509657.38	3754281.75	36.09271	508657.38
3754531.75	5.57753			
	508657.38	3754781.75	2.76787	508907.38
3754531.75	7.29864			
	508907.38	3754781.75	3.23841	509157.38
3754531.75	8.65376			
	509157.38	3754781.75	3.72597	509407.38
3754531.75	10.72565			
	509657.38	3754531.75	13.63633	509907.38
3754531.75	16.88604			
	509907.38	3754781.75	7.51828	510157.38
3754531.75	20.15983			
	510157.38	3754781.75	9.84344	509907.38
3754281.75	40.16242			
	509907.38	3754031.75	116.68625	509907.38
3753781.75	585.11846			
	509907.38	3753531.75	92.41852	509907.38
3753281.75	32.16538			
	509907.38	3753031.75	15.77022	509907.38
3752781.75	9.38796			
	510157.38	3754281.75	43.83440	510157.38
3754031.75	109.24288			
	510157.38	3753781.75	251.32052	510157.38

3753531.75	77.58353			
	510157.38	3753281.75	30.05164	510157.38
3753031.75	15.05668			
	510157.38	3752781.75	9.16634	509657.38
3753031.75	16.92882			
	509657.38	3752781.75	10.32451	509407.38
3753031.75	18.78333			
	509407.38	3752781.75	11.36989	509157.38
3753031.75	20.15366			
	509157.38	3752781.75	12.54504	508907.38
3753031.75	20.58932			
	508907.38	3752781.75	13.27351	508657.38
3753031.75	20.60674			
	508657.38	3752781.75	13.86630	508407.38
3753031.75	20.10135			
	508407.38	3752781.75	13.72541	508157.38
3753031.75	18.44421			

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 9, RIV
 I-10\Segment 9, RIV I-10.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 12:20:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
508157.38	3752781.75	13.14447	508407.38
3753281.75	32.48552		
508407.38	3753531.75	70.47222	508407.38
3753781.75	622.52954		

508407.38	3754031.75	41.26713	508407.38
3754281.75	10.80394		
508407.38	3754531.75	4.43955	508407.38
3754781.75	2.21938		
508157.38	3753281.75	28.32239	508157.38
3753531.75	54.21254		
508157.38	3753781.75	182.08110	508157.38
3754031.75	27.62090		
508157.38	3754281.75	9.36819	508157.38
3754531.75	3.94770		
508157.38	3754781.75	2.01440	510618.10
3754115.08	63.68469		
510554.04	3754655.27	17.77312	508146.14
3753841.47	203.40326		
508125.26	3753752.71	195.77089	508266.24
3753737.04	355.17924		
509937.09	3753742.27	595.97906	509942.32
3753810.14	581.36560		
508313.23	3753815.37	420.01184	

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 9, RIV
 I-10\Segment 9, RIV I-10.isc *** 10/28/19
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

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

ALL	1ST HIGHEST VALUE IS	1102.82333 AT (	509657.38, 3753781.75,
736.32,	1331.00, 0.00) DC		
	2ND HIGHEST VALUE IS	919.10905 AT (	509557.38, 3753781.75,
736.47,	1331.00, 0.00) DC		
	3RD HIGHEST VALUE IS	915.26859 AT (	508757.38, 3753781.75,
750.31,	1331.00, 0.00) DC		
	4TH HIGHEST VALUE IS	861.08059 AT (	509457.38, 3753781.75,
737.31,	1331.00, 0.00) DC		

5TH HIGHEST VALUE IS 840.31994 AT (508657.38, 3753781.75,
 752.11, 1331.00, 0.00) DC
 6TH HIGHEST VALUE IS 797.32591 AT (509357.38, 3753781.75,
 738.31, 1331.00, 0.00) DC
 7TH HIGHEST VALUE IS 773.31809 AT (509257.38, 3753781.75,
 740.99, 1331.00, 0.00) DC
 8TH HIGHEST VALUE IS 730.33956 AT (509157.38, 3753781.75,
 742.24, 1331.00, 0.00) DC
 9TH HIGHEST VALUE IS 709.17497 AT (509057.38, 3753781.75,
 744.42, 1331.00, 0.00) DC
 10TH HIGHEST VALUE IS 688.36111 AT (508957.38, 3753781.75,
 746.53, 1331.00, 0.00) DC

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

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 9, RIV
 I-10\Segment 9, RIV I-10.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 12:20:08

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
 A Total of 2 Warning Message(s)
 A Total of 1311 Informational Message(s)

 A Total of 43824 Hours Were Processed

 A Total of 64 Calm Hours Identified

 A Total of 1247 Missing Hours Identified (2.85 Percent)

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

***** WARNING MESSAGES *****
 ME W186 148 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
 ME W187 148 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 10, RIV SR-15\Segment 10, RIV SR-15.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 10, RIV SR-15\Segment 10, RIV SR-15.isc
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 113054
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 10, RIV SR-15.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 66.00
** Configuration = Adjacent
** Emission Rate = 23.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 5
** 486037.100, 3706625.480, 308.44, 2.00, 30.70
** 486230.930, 3706246.910, 310.08, 2.00, 30.70
** 486444.860, 3706080.360, 312.96, 2.00, 30.70
** 486495.190, 3705986.040, 312.86, 2.00, 30.70

```

** 486721.760, 3705275.850, 307.22, 2.00, 30.70

**

LOCATION L0000001	VOLUME	486052.139	3706596.106	308.26
LOCATION L0000002	VOLUME	486082.218	3706537.359	308.58
LOCATION L0000003	VOLUME	486112.297	3706478.612	309.34
LOCATION L0000004	VOLUME	486142.376	3706419.864	309.61
LOCATION L0000005	VOLUME	486172.455	3706361.117	310.12
LOCATION L0000006	VOLUME	486202.534	3706302.369	310.18
LOCATION L0000007	VOLUME	486233.845	3706244.641	310.04
LOCATION L0000008	VOLUME	486285.923	3706204.096	310.42
LOCATION L0000009	VOLUME	486338.001	3706163.552	310.78
LOCATION L0000010	VOLUME	486390.080	3706123.008	311.43
LOCATION L0000011	VOLUME	486442.158	3706082.463	312.58
LOCATION L0000012	VOLUME	486474.319	3706025.152	312.59
LOCATION L0000013	VOLUME	486501.776	3705965.397	312.36
LOCATION L0000014	VOLUME	486521.835	3705902.520	311.78
LOCATION L0000015	VOLUME	486541.895	3705839.642	310.43
LOCATION L0000016	VOLUME	486561.955	3705776.764	309.39
LOCATION L0000017	VOLUME	486582.014	3705713.886	308.70
LOCATION L0000018	VOLUME	486602.074	3705651.009	308.22
LOCATION L0000019	VOLUME	486622.134	3705588.131	307.97
LOCATION L0000020	VOLUME	486642.194	3705525.253	307.43
LOCATION L0000021	VOLUME	486662.253	3705462.376	307.01
LOCATION L0000022	VOLUME	486682.313	3705399.498	306.96
LOCATION L0000023	VOLUME	486702.373	3705336.620	307.40

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001	1.0	2.00	30.70	0.93
SRCPARAM L0000002	1.0	2.00	30.70	0.93
SRCPARAM L0000003	1.0	2.00	30.70	0.93
SRCPARAM L0000004	1.0	2.00	30.70	0.93
SRCPARAM L0000005	1.0	2.00	30.70	0.93
SRCPARAM L0000006	1.0	2.00	30.70	0.93
SRCPARAM L0000007	1.0	2.00	30.70	0.93
SRCPARAM L0000008	1.0	2.00	30.70	0.93
SRCPARAM L0000009	1.0	2.00	30.70	0.93
SRCPARAM L0000010	1.0	2.00	30.70	0.93
SRCPARAM L0000011	1.0	2.00	30.70	0.93
SRCPARAM L0000012	1.0	2.00	30.70	0.93
SRCPARAM L0000013	1.0	2.00	30.70	0.93
SRCPARAM L0000014	1.0	2.00	30.70	0.93
SRCPARAM L0000015	1.0	2.00	30.70	0.93
SRCPARAM L0000016	1.0	2.00	30.70	0.93
SRCPARAM L0000017	1.0	2.00	30.70	0.93
SRCPARAM L0000018	1.0	2.00	30.70	0.93
SRCPARAM L0000019	1.0	2.00	30.70	0.93
SRCPARAM L0000020	1.0	2.00	30.70	0.93
SRCPARAM L0000021	1.0	2.00	30.70	0.93
SRCPARAM L0000022	1.0	2.00	30.70	0.93

SRCPARAM L000023 1.0 2.00 30.70 0.93

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 10, RIV SR-15.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\kheck\Desktop\MET

Data\LakeElsinoreADJU\ELSI_V9_ADJU\ELSI_v9.SFC"

PROFFILE "C:\Users\kheck\Desktop\MET

Data\LakeElsinoreADJU\ELSI_V9_ADJU\ELSI_v9.PFL"

SURFDATA 3171 2012

UAIRDATA 3190 2012

SITEDATA 99999 2012

PROFBASE 420.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "Segment 10, RIV SR-15.AD\AN00GALL.PLT" 31

SUMMFILE "Segment 10, RIV SR-15.sum"

OU FINISHED

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

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

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

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

***** WARNING MESSAGES *****
ME W186 128 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 128 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 10, RIV
SR-15\Segment 10, RIV SR-15.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 12:46:34

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 23 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 113054.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates ANNUAL Averages Only

**This Run Includes: 23 Source(s); 1 Source Group(s); and 166
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 23 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

Hours

b for Both Calm

and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 420.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0

Emission Units = GRAMS/SEC ;

Emission Rate Unit Factor = 0.10000E+07

Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 10, RIV SR-15.err

**File for Summary of Results: Segment 10, RIV SR-15.sum

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 10, RIV SR-15\Segment 10, RIV SR-15.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 12:46:34

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0000001	0	0.10000E+01	486052.1	3706596.1	308.3	2.00	30.70
0.93	YES						
L0000002	0	0.10000E+01	486082.2	3706537.4	308.6	2.00	30.70
0.93	YES						
L0000003	0	0.10000E+01	486112.3	3706478.6	309.3	2.00	30.70
0.93	YES						
L0000004	0	0.10000E+01	486142.4	3706419.9	309.6	2.00	30.70
0.93	YES						
L0000005	0	0.10000E+01	486172.5	3706361.1	310.1	2.00	30.70
0.93	YES						
L0000006	0	0.10000E+01	486202.5	3706302.4	310.2	2.00	30.70
0.93	YES						
L0000007	0	0.10000E+01	486233.8	3706244.6	310.0	2.00	30.70
0.93	YES						
L0000008	0	0.10000E+01	486285.9	3706204.1	310.4	2.00	30.70
0.93	YES						
L0000009	0	0.10000E+01	486338.0	3706163.6	310.8	2.00	30.70
0.93	YES						
L0000010	0	0.10000E+01	486390.1	3706123.0	311.4	2.00	30.70
0.93	YES						
L0000011	0	0.10000E+01	486442.2	3706082.5	312.6	2.00	30.70
0.93	YES						
L0000012	0	0.10000E+01	486474.3	3706025.2	312.6	2.00	30.70
0.93	YES						

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L000005	113054.	L0000001 , L0000002 , L0000003 , L0000004 ,
L000008		L0000006 , L0000007 ,
L000014	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,	L0000014 , L0000015 , L0000016 ,
L000022	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,	L0000022 , L0000023 ,
▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 10, RIV SR-15\Segment 10, RIV SR-15.isc *** 10/28/19 *** AERMET - VERSION 16216 *** *** *** 12:46:34		

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(485942.6, 3705763.2, 309.9, 548.0, 0.0);	(485942.6, 3705863.2, 305.6, 548.0, 0.0);
(485942.6, 3705963.2, 304.2, 548.0, 0.0);	(485942.6, 3706063.2, 304.0, 548.0, 0.0);
(485942.6, 3706163.2, 304.0, 548.0, 0.0);	(485942.6, 3706263.2, 304.0, 548.0, 0.0);
(485942.6, 3706363.2, 304.4, 548.0, 0.0);	(485942.6, 3706463.2, 305.5, 548.0, 0.0);
(485942.6, 3706563.2, 306.4, 548.0, 0.0);	(486042.6, 3705663.2, 309.5, 548.0, 0.0);
(486042.6, 3705763.2, 305.6, 548.0, 0.0);	(486042.6, 3705863.2, 304.1, 548.0, 0.0);
(486042.6, 3705963.2, 304.0, 548.0, 0.0);	(486042.6, 3706063.2, 304.0, 548.0, 0.0);
(486042.6, 3706163.2, 304.0, 548.0, 0.0);	(486042.6, 3706263.2, 304.7, 548.0, 0.0);
(486042.6, 3706363.2, 306.4, 548.0, 0.0);	(486042.6, 3706463.2, 305.5, 548.0, 0.0);

3706463.2, 307.4, 548.0, 0.0);
(486042.6, 3706563.2, 307.8, 548.0, 0.0); (486142.6,
3705563.2, 306.9, 548.0, 0.0);
(486142.6, 3705663.2, 304.6, 548.0, 0.0); (486142.6,
3705763.2, 304.0, 548.0, 0.0);
(486142.6, 3705863.2, 304.0, 548.0, 0.0); (486142.6,
3705963.2, 304.0, 548.0, 0.0);
(486142.6, 3706063.2, 304.8, 548.0, 0.0); (486142.6,
3706163.2, 305.9, 548.0, 0.0);
(486142.6, 3706263.2, 307.9, 548.0, 0.0); (486142.6,
3706363.2, 309.0, 548.0, 0.0);
(486142.6, 3706463.2, 310.1, 548.0, 0.0); (486142.6,
3706563.2, 310.9, 548.0, 0.0);
(486242.6, 3705563.2, 304.4, 548.0, 0.0); (486242.6,
3705663.2, 304.0, 548.0, 0.0);
(486242.6, 3705763.2, 304.0, 548.0, 0.0); (486242.6,
3705863.2, 304.2, 548.0, 0.0);
(486242.6, 3705963.2, 305.2, 548.0, 0.0); (486242.6,
3706063.2, 306.9, 548.0, 0.0);
(486242.6, 3706163.2, 309.0, 548.0, 0.0); (486242.6,
3706263.2, 310.5, 548.0, 0.0);
(486242.6, 3706363.2, 312.3, 548.0, 0.0); (486242.6,
3706463.2, 313.3, 548.0, 0.0);
(486242.6, 3706563.2, 313.5, 548.0, 0.0); (486342.6,
3705563.2, 304.0, 548.0, 0.0);
(486342.6, 3705663.2, 304.0, 548.0, 0.0); (486342.6,
3705763.2, 304.3, 548.0, 0.0);
(486342.6, 3705863.2, 305.6, 548.0, 0.0); (486342.6,
3705963.2, 307.6, 548.0, 0.0);
(486342.6, 3706063.2, 308.9, 548.0, 0.0); (486342.6,
3706163.2, 310.9, 548.0, 0.0);
(486342.6, 3706263.2, 313.1, 548.0, 0.0); (486342.6,
3706363.2, 314.2, 548.0, 0.0);
(486342.6, 3706463.2, 315.2, 548.0, 0.0); (486342.6,
3706563.2, 315.7, 548.0, 0.0);
(486442.6, 3705563.2, 304.0, 548.0, 0.0); (486442.6,
3705663.2, 304.4, 548.0, 0.0);
(486442.6, 3705763.2, 305.9, 548.0, 0.0); (486442.6,
3705863.2, 308.0, 548.0, 0.0);
(486442.6, 3705963.2, 310.2, 548.0, 0.0); (486442.6,
3706063.2, 312.2, 548.0, 0.0);
(486442.6, 3706163.2, 314.3, 548.0, 0.0); (486442.6,
3706263.2, 316.5, 548.0, 0.0);
(486442.6, 3706363.2, 317.6, 548.0, 0.0); (486442.6,
3706463.2, 318.6, 548.0, 0.0);
(486442.6, 3706563.2, 318.8, 548.0, 0.0); (486542.6,
3705563.2, 305.7, 548.0, 0.0);
(486542.6, 3705663.2, 307.2, 548.0, 0.0); (486542.6,
3705763.2, 308.8, 548.0, 0.0);
(486542.6, 3705863.2, 311.2, 548.0, 0.0); (486542.6,

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3705963.2,    313.7,    548.0,    0.0);
  ( 486542.6, 3706063.2,    315.8,    548.0,    0.0);    ( 486542.6,
3706163.2,    318.1,    548.0,    0.0);
  ( 486542.6, 3706263.2,    320.1,    548.0,    0.0);    ( 486542.6,
3706363.2,    321.3,    548.0,    0.0);
  ( 486542.6, 3706463.2,    321.4,    548.0,    0.0);    ( 486542.6,
3706563.2,    322.3,    548.0,    0.0);
  ( 486642.6, 3705563.2,    308.0,    548.0,    0.0);    ( 486642.6,
3705663.2,    309.4,    548.0,    0.0);
  ( 486642.6, 3705763.2,    311.0,    548.0,    0.0);    ( 486642.6,
3705863.2,    313.5,    548.0,    0.0);
  ( 486642.6, 3705963.2,    316.2,    548.0,    0.0);    ( 486642.6,
3706063.2,    317.7,    548.0,    0.0);
  ( 486642.6, 3706163.2,    320.1,    548.0,    0.0);    ( 486642.6,
3706263.2,    321.8,    548.0,    0.0);
  ( 486642.6, 3706363.2,    323.5,    548.0,    0.0);    ( 486642.6,
3706463.2,    323.9,    548.0,    0.0);
  ( 486642.6, 3706563.2,    324.5,    545.0,    0.0);    ( 486742.6,
3705563.2,    310.3,    548.0,    0.0);
  ( 486742.6, 3705663.2,    312.0,    548.0,    0.0);    ( 486742.6,
3705763.2,    313.6,    548.0,    0.0);
  ( 486742.6, 3705863.2,    315.8,    548.0,    0.0);    ( 486742.6,
3705963.2,    318.6,    548.0,    0.0);

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^ *** AERMOD - VERSION 18081 ***    *** C:\Lakes\AERMOD View\Segment 10, RIV
SR-15\Segment 10, RIV SR-15.isc ***    10/28/19
*** AERMET - VERSION 16216 ***    ***
***    12:46:34

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PAGE 6

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

```

  ( 486742.6, 3706063.2,    320.3,    548.0,    0.0);    ( 486742.6,
3706163.2,    322.2,    548.0,    0.0);
  ( 486742.6, 3706263.2,    324.4,    548.0,    0.0);    ( 486742.6,
3706363.2,    325.5,    548.0,    0.0);
  ( 486742.6, 3706463.2,    326.5,    543.0,    0.0);    ( 486842.6,
3705563.2,    313.5,    548.0,    0.0);
  ( 486842.6, 3705663.2,    315.1,    548.0,    0.0);    ( 486842.6,
3705763.2,    317.2,    548.0,    0.0);
  ( 486842.6, 3705863.2,    319.4,    548.0,    0.0);    ( 486842.6,
3705963.2,    321.5,    548.0,    0.0);
  ( 486842.6, 3706063.2,    323.7,    548.0,    0.0);    ( 486842.6,
3706163.2,    325.9,    548.0,    0.0);
  ( 486842.6, 3706263.2,    328.0,    543.0,    0.0);    ( 486842.6,
3706363.2,    329.1,    329.1,    0.0);
  ( 486842.6, 3706463.2,    330.1,    330.1,    0.0);    ( 486842.6,

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3706563.2, 330.3, 369.0, 0.0);
(486942.6, 3705563.2, 317.1, 548.0, 0.0); (486942.6,
3705663.2, 318.4, 548.0, 0.0);
(486942.6, 3705763.2, 320.1, 548.0, 0.0); (486942.6,
3705863.2, 322.6, 548.0, 0.0);
(486942.6, 3705963.2, 325.1, 543.0, 0.0); (486942.6,
3706063.2, 327.2, 327.2, 0.0);
(486942.6, 3706163.2, 329.4, 329.4, 0.0); (486942.6,
3706263.2, 331.3, 331.3, 0.0);
(486942.6, 3706363.2, 332.6, 332.6, 0.0); (486942.6,
3706463.2, 332.8, 332.8, 0.0);
(486942.6, 3706563.2, 333.6, 369.0, 0.0); (485942.6,
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(485942.6, 3707063.2, 309.0, 548.0, 0.0); (486192.6,
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(487192.6, 3706813.2, 348.2, 365.0, 0.0); (487192.6,
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(487442.6, 3706813.2, 333.0, 374.0, 0.0); (487442.6,
3707063.2, 343.2, 378.0, 0.0);
(487192.6, 3706563.2, 340.3, 365.0, 0.0); (487192.6,
3706313.2, 339.2, 339.2, 0.0);
(487192.6, 3706063.2, 334.3, 334.3, 0.0); (487192.6,
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(487192.6, 3705563.2, 323.5, 323.5, 0.0); (487192.6,
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(487442.6, 3706313.2, 348.0, 348.0, 0.0); (487442.6,
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(487442.6, 3705313.2, 327.3, 327.3, 0.0); (487442.6,
3705063.2, 323.6, 669.0, 0.0);
(486942.6, 3705313.2, 314.2, 669.0, 0.0); (486942.6,
3705063.2, 307.6, 670.0, 0.0);
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3705063.2, 305.1, 670.0, 0.0);
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(486192.6, 3705313.2, 312.7, 669.0, 0.0); (485692.6,
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(485692.6, 3706313.2, 305.2, 548.0, 0.0); (485692.6,
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(485692.6, 3706813.2, 305.4, 548.0, 0.0); (485692.6,
3707063.2, 307.0, 548.0, 0.0);
(485442.6, 3706313.2, 317.9, 548.0, 0.0); (485442.6,
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(485442.6, 3706813.2, 305.0, 548.0, 0.0); (485442.6,
3707063.2, 305.0, 548.0, 0.0);
(486819.3, 3705387.4, 310.8, 669.0, 0.0); (486939.2,

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3705392.7,    315.0,    666.0,    0.0);
( 487038.0, 3705367.5,    316.7,    666.0,    0.0);    ( 487117.0,
3705376.2,    318.5,    543.0,    0.0);
( 486001.2, 3706614.0,    307.3,    548.0,    0.0);    ( 486065.4,
3706633.3,    308.9,    548.0,    0.0);
( 486296.2, 3706267.7,    311.9,    548.0,    0.0);    ( 486453.4,
3706129.8,    314.0,    548.0,    0.0);
( 486738.8, 3705305.7,    308.0,    669.0,    0.0);    ( 486681.0,
3705305.7,    306.5,    669.0,    0.0);
( 486405.3, 3706072.1,    311.0,    548.0,    0.0);    ( 486164.8,
3706296.6,    308.9,    548.0,    0.0);

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^ *** AERMOD - VERSION 18081 ***    *** C:\Lakes\AERMOD View\Segment 10, RIV
SR-15\Segment 10, RIV SR-15.isc ***    10/28/19
*** AERMET - VERSION 16216 ***    ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
-31.79	L0000001	486042.6	3706563.2
-12.02	L0000001	486001.2	3706614.0
-26.56	L0000001	486065.4	3706633.3
-18.67	L0000002	486042.6	3706563.2
-0.32	L0000002	486142.6	3706563.2
-32.04	L0000003	486142.6	3706463.2
-9.39	L0000004	486142.6	3706363.2
-22.62	L0000004	486142.6	3706463.2
-36.06	L0000005	486142.6	3706363.2

-1.00	L0000005	486164.8	3706296.6
-10.02	L0000006	486242.6	3706263.2
-27.79	L0000006	486164.8	3706296.6
-45.44	L0000007	486242.6	3706263.2
0.52	L0000007	486296.2	3706267.7
-6.46	L0000008	486242.6	3706163.2
-1.56	L0000008	486296.2	3706267.7
-61.41	L0000009	486342.6	3706163.2
-3.76	L0000010	486342.6	3706163.2
0.15	L0000010	486442.6	3706163.2
-2.36	L0000010	486453.4	3706129.8
-12.89	L0000010	486405.3	3706072.1
-46.79	L0000011	486442.6	3706063.2
-17.33	L0000011	486453.4	3706129.8
-27.68	L0000011	486405.3	3706072.1
-16.42	L0000012	486442.6	3706063.2
-6.78	L0000013	486442.6	3705963.2
-25.13	L0000013	486542.6	3705963.2
-21.59	L0000014	486542.6	3705863.2
-1.83	L0000014	486542.6	3705963.2
-42.39	L0000015	486542.6	3705863.2
-42.39	L0000016	486542.6	3705763.2
-1.83	L0000017	486542.6	3705663.2
-2.83	L0000017	486542.6	3705763.2
-5.27	L0000018	486542.6	3705663.2

12	01	01	1	11	161.7	0.105	1.203	0.005	374.	87.	-1.0	0.23	2.69
0.23	0.40	33.			9.1	297.0	5.5						
12	01	01	1	12	185.5	0.271	1.535	0.005	676.	339.	-9.3	0.23	2.69
0.22	1.80	313.			9.1	298.8	5.5						
12	01	01	1	13	183.9	0.219	1.828	0.005	1154.	247.	-4.9	0.23	2.69
0.22	1.30	250.			9.1	300.4	5.5						
12	01	01	1	14	156.6	0.266	1.869	0.005	1446.	330.	-10.4	0.23	2.69
0.23	1.80	217.			9.1	301.4	5.5						
12	01	01	1	15	104.7	0.256	1.677	0.005	1562.	311.	-13.8	0.23	2.69
0.27	1.80	248.			9.1	302.0	5.5						
12	01	01	1	16	32.7	0.319	1.147	0.005	1596.	433.	-85.9	0.23	2.69
0.36	2.70	235.			9.1	302.0	5.5						
12	01	01	1	17	-15.5	0.190	-9.000	-9.000	-999.	208.	39.6	0.23	2.69
0.63	1.80	46.			9.1	299.2	5.5						
12	01	01	1	18	-4.1	0.092	-9.000	-9.000	-999.	73.	16.2	0.23	2.69
1.00	0.90	107.			9.1	294.9	5.5						
12	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	2.69
1.00	999.00	999.			-9.0	292.5	5.5						
12	01	01	1	20	-4.2	0.092	-9.000	-9.000	-999.	67.	16.1	0.23	2.69
1.00	0.90	323.			9.1	290.4	5.5						
12	01	01	1	21	-8.8	0.133	-9.000	-9.000	-999.	116.	23.2	0.23	2.69
1.00	1.30	34.			9.1	287.5	5.5						
12	01	01	1	22	-1.3	0.065	-9.000	-9.000	-999.	41.	18.1	0.23	2.69
1.00	0.40	359.			9.1	286.4	5.5						
12	01	01	1	23	-1.3	0.065	-9.000	-9.000	-999.	40.	18.1	0.23	2.69
1.00	0.40	351.			9.1	285.4	5.5						
12	01	01	1	24	-4.2	0.092	-9.000	-9.000	-999.	67.	16.0	0.23	2.69
1.00	0.90	11.			9.1	284.9	5.5						

First hour of profile data

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

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

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 10, RIV
 SR-15\Segment 10, RIV SR-15.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 12:46:34

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,

, L0000019 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000020 , L0000021 ,
 L0000022 , L0000023 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
485942.59	3705763.25	81.27569	485942.59
3705863.25	90.95438		
485942.59	3705963.25	102.93225	485942.59
3706063.25	118.30673		
485942.59	3706163.25	137.65147	485942.59
3706263.25	161.06050		
485942.59	3706363.25	188.88127	485942.59
3706463.25	220.72149		
485942.59	3706563.25	239.76902	486042.59
3705663.25	88.38107		
486042.59	3705763.25	99.68760	486042.59
3705863.25	113.76881		
486042.59	3705963.25	132.95856	486042.59
3706063.25	160.50939		
486042.59	3706163.25	201.46743	486042.59
3706263.25	262.79470		
486042.59	3706363.25	362.60659	486042.59
3706463.25	571.82691		
486042.59	3706563.25	213.89177	486142.59
3705563.25	96.00513		
486142.59	3705663.25	109.24581	486142.59
3705763.25	125.21845		
486142.59	3705863.25	146.08585	486142.59
3705963.25	176.60659		
486142.59	3706063.25	229.18798	486142.59
3706163.25	336.53331		
486142.59	3706263.25	595.66766	486142.59
3706363.25	408.27565		
486142.59	3706463.25	381.48684	486142.59
3706563.25	394.15276		
486242.59	3705563.25	121.56821	486242.59
3705663.25	140.88853		
486242.59	3705763.25	164.14358	486242.59
3705863.25	195.10483		
486242.59	3705963.25	245.17286	486242.59
3706063.25	352.44908		

486242.59	3706163.25	511.19561	486242.59
3706263.25	487.23374		
486242.59	3706363.25	746.91327	486242.59
3706463.25	427.89554		
486242.59	3706563.25	272.17526	486342.59
3705563.25	164.20977		
486342.59	3705663.25	195.15419	486342.59
3705763.25	232.74778		
486342.59	3705863.25	284.58808	486342.59
3705963.25	374.37497		
486342.59	3706063.25	631.62865	486342.59
3706163.25	522.62420		
486342.59	3706263.25	616.74043	486342.59
3706363.25	357.50186		
486342.59	3706463.25	245.94293	486342.59
3706563.25	176.43367		
486442.59	3705563.25	250.13650	486442.59
3705663.25	313.07191		
486442.59	3705763.25	399.88964	486442.59
3705863.25	538.07220		
486442.59	3705963.25	601.74760	486442.59
3706063.25	491.71537		
486442.59	3706163.25	514.74547	486442.59
3706263.25	349.49074		
486442.59	3706363.25	228.31122	486442.59
3706463.25	165.67773		
486442.59	3706563.25	127.24301	486542.59
3705563.25	521.63147		
486542.59	3705663.25	369.58005	486542.59
3705763.25	465.49897		
486542.59	3705863.25	451.73403	486542.59
3705963.25	426.20058		
486542.59	3706063.25	597.13496	486542.59
3706163.25	335.52762		
486542.59	3706263.25	214.42250	486542.59
3706363.25	154.06278		
486542.59	3706463.25	119.66448	486542.59
3706563.25	95.12726		
486642.59	3705563.25	407.77441	486642.59
3705663.25	601.33851		
486642.59	3705763.25	661.73981	486642.59
3705863.25	478.84793		
486642.59	3705963.25	363.09870	486642.59
3706063.25	270.83761		

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 10, RIV
 SR-15\Segment 10, RIV SR-15.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 12:46:34

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
486642.59	3706163.25	195.16081	486642.59
3706263.25	146.18211		
486642.59	3706363.25	112.80558	486642.59
3706463.25	91.27702		
486642.59	3706563.25	75.42923	486742.59
3705563.25	432.95344		
486742.59	3705663.25	353.64055	486742.59
3705763.25	292.35818		
486742.59	3705863.25	245.18583	486742.59
3705963.25	200.80745		
486742.59	3706063.25	162.91246	486742.59
3706163.25	130.95765		
486742.59	3706263.25	105.34007	486742.59
3706363.25	86.71639		
486742.59	3706463.25	72.33106	486842.59
3705563.25	214.87871		
486842.59	3705663.25	194.79584	486842.59
3705763.25	174.95206		
486842.59	3705863.25	153.27269	486842.59
3705963.25	130.63301		
486842.59	3706063.25	110.38635	486842.59
3706163.25	93.13087		
486842.59	3706263.25	78.53188	486842.59
3706363.25	67.28733		
486842.59	3706463.25	57.91153	486842.59
3706563.25	50.62126		
486942.59	3705563.25	135.97391	486942.59
3705663.25	130.03069		

486942.59	3705763.25	119.08457	486942.59
3705863.25	105.40221		
486942.59	3705963.25	91.98152	486942.59
3706063.25	80.25095		
486942.59	3706163.25	69.85086	486942.59
3706263.25	60.83672		
486942.59	3706363.25	53.18484	486942.59
3706463.25	47.48280		
486942.59	3706563.25	41.79220	485942.59
3706813.25	96.18330		
485942.59	3707063.25	47.73210	486192.59
3706813.25	98.15370		
487192.59	3706813.25	19.99837	487192.59
3707063.25	21.16047		
487442.59	3706813.25	20.72819	487442.59
3707063.25	15.04976		
487192.59	3706563.25	27.56184	487192.59
3706313.25	33.46650		
487192.59	3706063.25	42.96711	487192.59
3705813.25	53.91505		
487192.59	3705563.25	60.93092	487192.59
3705313.25	60.26121		
487192.59	3705063.25	50.71571	487442.59
3706563.25	19.06716		
487442.59	3706313.25	21.11876	487442.59
3706063.25	25.06623		
487442.59	3705813.25	29.65653	487442.59
3705563.25	33.05320		
487442.59	3705313.25	35.25696	487442.59
3705063.25	36.23035		
486942.59	3705313.25	119.14713	486942.59
3705063.25	68.58196		
486692.59	3705313.25	284.52269	486692.59
3705063.25	84.39291		
486442.59	3705313.25	135.10890	486442.59
3705063.25	67.99281		
486192.59	3705313.25	72.08802	485692.59
3706063.25	64.13180		
485692.59	3706313.25	72.78617	485692.59
3706563.25	70.45167		
485692.59	3706813.25	55.01344	485692.59
3707063.25	39.25784		
485442.59	3706313.25	34.95825	485442.59
3706563.25	39.92779		
485442.59	3706813.25	34.59257	485442.59
3707063.25	28.82146		
486819.26	3705387.37	271.95333	486939.24
3705392.71	131.53276		
487038.01	3705367.50	90.76064	487117.02
3705376.22	73.76901		

486001.22 3706614.03 211.26003 486065.36
 3706633.27 246.70855
 *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 10, RIV
 SR-15\Segment 10, RIV SR-15.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 12:46:34

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
486296.24	3706267.71	423.04625	486453.36
3706129.83	386.69233		
486738.75	3705305.72	226.14276	486681.03
3705305.72	259.16082		
486405.26	3706072.11	472.10113	486164.76
3706296.57	400.64929		

*** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 10, RIV
 SR-15\Segment 10, RIV SR-15.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 12:46:34

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	746.91327 AT (	486242.59, 3706363.25,
312.31,	548.00, 0.00) DC		
	2ND HIGHEST VALUE IS	661.73981 AT (	486642.59, 3705763.25,
311.01,	548.00, 0.00) DC		
	3RD HIGHEST VALUE IS	631.62865 AT (	486342.59, 3706063.25,
308.94,	548.00, 0.00) DC		
	4TH HIGHEST VALUE IS	616.74043 AT (	486342.59, 3706263.25,
313.05,	548.00, 0.00) DC		
	5TH HIGHEST VALUE IS	601.74760 AT (	486442.59, 3705963.25,
310.16,	548.00, 0.00) DC		
	6TH HIGHEST VALUE IS	601.33851 AT (	486642.59, 3705663.25,
309.38,	548.00, 0.00) DC		
	7TH HIGHEST VALUE IS	597.13496 AT (	486542.59, 3706063.25,
315.78,	548.00, 0.00) DC		
	8TH HIGHEST VALUE IS	595.66766 AT (	486142.59, 3706263.25,
307.86,	548.00, 0.00) DC		
	9TH HIGHEST VALUE IS	571.82691 AT (	486042.59, 3706463.25,
307.41,	548.00, 0.00) DC		
	10TH HIGHEST VALUE IS	538.07220 AT (	486442.59, 3705863.25,
308.00,	548.00, 0.00) DC		

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

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 10, RIV
 SR-15\Segment 10, RIV SR-15.isc *** 10/28/19

*** AERMET - VERSION 16216 *** ***
 *** 12:46:34

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

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

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

A Total of 43848 Hours Were Processed
A Total of 884 Calm Hours Identified
A Total of 879 Missing Hours Identified (2.00 Percent)

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

***** WARNING MESSAGES *****
ME W186 128 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 128 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 11, RIV SR-91\Segment 11, RIV SR-91.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 11, RIV SR-91\Segment 11, RIV SR-91.isc
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 167836
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 11, RIV SR-91.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 88.00
** Configuration = Adjacent
** Emission Rate = 17.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 4
** 439605.860, 3749087.510, 145.98, 2.00, 40.93
** 439319.940, 3748990.740, 152.21, 2.00, 40.93
** 439157.810, 3748873.960, 162.15, 2.00, 40.93
** 438455.860, 3748176.300, 148.34, 2.00, 40.93

```

```

** -----
LOCATION L0000001    VOLUME  439564.182 3749073.404 146.43
LOCATION L0000002    VOLUME  439480.827 3749045.192 147.37
LOCATION L0000003    VOLUME  439397.472 3749016.981 148.76
LOCATION L0000004    VOLUME  439314.951 3748987.147 152.62
LOCATION L0000005    VOLUME  439243.546 3748935.715 157.07
LOCATION L0000006    VOLUME  439172.141 3748884.282 161.21
LOCATION L0000007    VOLUME  439107.921 3748824.376 166.13
LOCATION L0000008    VOLUME  439045.505 3748762.341 169.05
LOCATION L0000009    VOLUME  438983.089 3748700.307 165.11
LOCATION L0000010    VOLUME  438920.673 3748638.273 165.86
LOCATION L0000011    VOLUME  438858.257 3748576.238 155.79
LOCATION L0000012    VOLUME  438795.842 3748514.204 150.51
LOCATION L0000013    VOLUME  438733.426 3748452.169 146.92
LOCATION L0000014    VOLUME  438671.010 3748390.135 144.94
LOCATION L0000015    VOLUME  438608.594 3748328.101 143.49
LOCATION L0000016    VOLUME  438546.178 3748266.066 144.53
LOCATION L0000017    VOLUME  438483.762 3748204.032 147.91

```

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001	1.0	2.00	40.93	0.93
SRCPARAM L0000002	1.0	2.00	40.93	0.93
SRCPARAM L0000003	1.0	2.00	40.93	0.93
SRCPARAM L0000004	1.0	2.00	40.93	0.93
SRCPARAM L0000005	1.0	2.00	40.93	0.93
SRCPARAM L0000006	1.0	2.00	40.93	0.93
SRCPARAM L0000007	1.0	2.00	40.93	0.93
SRCPARAM L0000008	1.0	2.00	40.93	0.93
SRCPARAM L0000009	1.0	2.00	40.93	0.93
SRCPARAM L0000010	1.0	2.00	40.93	0.93
SRCPARAM L0000011	1.0	2.00	40.93	0.93
SRCPARAM L0000012	1.0	2.00	40.93	0.93
SRCPARAM L0000013	1.0	2.00	40.93	0.93
SRCPARAM L0000014	1.0	2.00	40.93	0.93
SRCPARAM L0000015	1.0	2.00	40.93	0.93
SRCPARAM L0000016	1.0	2.00	40.93	0.93
SRCPARAM L0000017	1.0	2.00	40.93	0.93

** -----

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 11, RIV SR-91.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\kheck\Desktop\MET
Data\FullertonAirportADJU\KFUL_V9_ADJU\KFUL_v9.SFC"

PROFFILE "C:\Users\kheck\Desktop\MET
Data\FullertonAirportADJU\KFUL_V9_ADJU\KFUL_v9.PFL"

SURFDATA 3166 2012

UAIRDATA 3190 2012

PROFBASE 27.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "Segment 11, RIV SR-91.AD\AN00GALL.PLT" 31

SUMMFILE "Segment 11, RIV SR-91.sum"

OU FINISHED

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

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

A Total of 0 Fatal Error Message(s)

A Total of 2 Warning Message(s)

A Total of 0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

ME W186 114 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50

ME W187 114 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 11, RIV
SR-91\Segment 11, RIV SR-91.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 13:06:10

PAGE 1
*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 17 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 167836.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

**Other Options Specified:

ADJ_U* - Use ADJ_U* option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates ANNUAL Averages Only

**This Run Includes: 17 Source(s); 1 Source Group(s); and 79
Receptor(s)

with: 0 POINT(s), including

0 POINTCAP(s) and 0 POINTHOR(s)
and: 17 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

Hours

b for Both Calm

and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 27.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 11, RIV SR-91.err

**File for Summary of Results: Segment 11, RIV SR-91.sum

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 11, RIV
SR-91\Segment 11, RIV SR-91.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 13:06:10

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0000001	0	0.10000E+01	439564.2	3749073.4	146.4	2.00	40.93
0.93	YES						
L0000002	0	0.10000E+01	439480.8	3749045.2	147.4	2.00	40.93
0.93	YES						
L0000003	0	0.10000E+01	439397.5	3749017.0	148.8	2.00	40.93
0.93	YES						
L0000004	0	0.10000E+01	439315.0	3748987.1	152.6	2.00	40.93
0.93	YES						
L0000005	0	0.10000E+01	439243.5	3748935.7	157.1	2.00	40.93
0.93	YES						
L0000006	0	0.10000E+01	439172.1	3748884.3	161.2	2.00	40.93
0.93	YES						
L0000007	0	0.10000E+01	439107.9	3748824.4	166.1	2.00	40.93
0.93	YES						
L0000008	0	0.10000E+01	439045.5	3748762.3	169.1	2.00	40.93
0.93	YES						
L0000009	0	0.10000E+01	438983.1	3748700.3	165.1	2.00	40.93
0.93	YES						
L0000010	0	0.10000E+01	438920.7	3748638.3	165.9	2.00	40.93
0.93	YES						
L0000011	0	0.10000E+01	438858.3	3748576.2	155.8	2.00	40.93
0.93	YES						
L0000012	0	0.10000E+01	438795.8	3748514.2	150.5	2.00	40.93
0.93	YES						
L0000013	0	0.10000E+01	438733.4	3748452.2	146.9	2.00	40.93
0.93	YES						
L0000014	0	0.10000E+01	438671.0	3748390.1	144.9	2.00	40.93
0.93	YES						
L0000015	0	0.10000E+01	438608.6	3748328.1	143.5	2.00	40.93
0.93	YES						
L0000016	0	0.10000E+01	438546.2	3748266.1	144.5	2.00	40.93
0.93	YES						
L0000017	0	0.10000E+01	438483.8	3748204.0	147.9	2.00	40.93
0.93	YES						

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 11, RIV
 SR-91\Segment 11, RIV SR-91.isc *** 10/28/19

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

*** 13:06:10

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

ALL L000001 , L000002 , L000003 , L000004 , L000005 ,
L000006 , L000007 , L000008 ,
L000009 , L000010 , L000011 , L000012 , L000013 ,
L000014 , L000015 , L000016 ,
L000017 ,

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 11, RIV
SR-91\Segment 11, RIV SR-91.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 13:06:10

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID

URBAN POP

SOURCE IDs

167836. L000001 , L000002 , L000003 , L000004 ,
L000005 , L000006 , L000007 ,
L000008 ,
L000009 , L000010 , L000011 , L000012 , L000013 ,
L000014 , L000015 , L000016 ,
L000017 ,

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 11, RIV
SR-91\Segment 11, RIV SR-91.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 13:06:10

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(438647.9, 3748465.2, 132.2, 1142.1, 0.0); (438647.9,
3748565.2, 131.6, 1142.1, 0.0);
(438647.9, 3748665.2, 133.0, 1142.1, 0.0); (438647.9,
3748765.2, 134.3, 1142.1, 0.0);
(438647.9, 3748865.2, 136.5, 1142.1, 0.0); (438647.9,
3748965.2, 140.7, 1142.1, 0.0);
(438647.9, 3749065.2, 173.6, 1142.1, 0.0); (438647.9,
3749165.2, 177.8, 1142.1, 0.0);
(438647.9, 3749265.2, 171.6, 1142.1, 0.0); (438647.9,
3749365.2, 145.2, 1142.1, 0.0);
(438747.9, 3748565.2, 135.7, 1142.1, 0.0); (438747.9,
3748665.2, 135.6, 1142.1, 0.0);
(438747.9, 3748765.2, 135.2, 1142.1, 0.0); (438747.9,
3748865.2, 139.1, 1142.1, 0.0);
(438747.9, 3748965.2, 145.5, 1142.1, 0.0); (438747.9,
3749065.2, 157.3, 1142.1, 0.0);
(438747.9, 3749165.2, 152.5, 1142.1, 0.0); (438747.9,
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(438747.9, 3749365.2, 143.7, 1142.1, 0.0); (438847.9,
3748665.2, 153.6, 1142.1, 0.0);
(438847.9, 3748765.2, 146.9, 1142.1, 0.0); (438847.9,
3748865.2, 163.9, 1142.1, 0.0);
(438847.9, 3748965.2, 154.9, 1142.1, 0.0); (438847.9,
3749065.2, 153.0, 1142.1, 0.0);
(438847.9, 3749165.2, 148.4, 1142.1, 0.0); (438847.9,
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(438847.9, 3749365.2, 140.8, 1142.1, 0.0); (438947.9,
3748765.2, 172.4, 1142.1, 0.0);
(438947.9, 3748865.2, 165.7, 1142.1, 0.0); (438947.9,
3748965.2, 160.5, 1142.1, 0.0);
(438947.9, 3749065.2, 153.7, 1142.1, 0.0); (438947.9,
3749165.2, 145.7, 1142.1, 0.0);
(438947.9, 3749265.2, 142.0, 1142.1, 0.0); (438947.9,
3749365.2, 140.9, 1142.1, 0.0);
(439047.9, 3748765.2, 169.1, 1142.1, 0.0); (439047.9,
3748865.2, 163.5, 1142.1, 0.0);
(439047.9, 3748965.2, 155.5, 1142.1, 0.0); (439047.9,
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(439047.9, 3749165.2, 144.7, 1142.1, 0.0); (439047.9,
3749265.2, 140.4, 1142.1, 0.0);
(439047.9, 3749365.2, 137.2, 1142.1, 0.0); (439147.9,
3748765.2, 170.4, 1142.1, 0.0);
(439147.9, 3748865.2, 162.7, 1142.1, 0.0); (439147.9,
3748965.2, 155.1, 1142.1, 0.0);
(439147.9, 3749065.2, 151.1, 1142.1, 0.0); (439147.9,

3749165.2, 143.7, 1142.1, 0.0);
 (439147.9, 3749265.2, 138.1, 1142.1, 0.0); (439247.9,
 3748765.2, 167.2, 1142.1, 0.0);
 (439247.9, 3748865.2, 162.6, 1142.1, 0.0); (439247.9,
 3748965.2, 154.1, 1142.1, 0.0);
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 (439347.9, 3748765.2, 165.5, 1142.1, 0.0); (439347.9,
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 (439347.9, 3748965.2, 154.1, 1142.1, 0.0); (439347.9,
 3749165.2, 141.3, 1142.1, 0.0);
 (439447.9, 3748765.2, 162.9, 1142.1, 0.0); (439547.9,
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 (439547.9, 3748865.2, 158.2, 1142.1, 0.0); (439647.9,
 3748765.2, 162.1, 1142.1, 0.0);
 (439647.9, 3748865.2, 157.4, 1142.1, 0.0); (439897.9,
 3749115.2, 144.0, 1142.1, 0.0);
 (439897.9, 3748865.2, 157.7, 1142.1, 0.0); (440147.9,
 3749115.2, 144.3, 1142.1, 0.0);
 (440147.9, 3748865.2, 164.4, 1142.1, 0.0); (440147.9,
 3748615.2, 180.5, 1142.1, 0.0);
 (440147.9, 3748365.2, 248.4, 1142.1, 0.0); (438397.9,
 3748115.2, 146.1, 1142.1, 0.0);
 (438397.9, 3748365.2, 130.2, 1142.1, 0.0); (438397.9,
 3748615.2, 131.0, 1142.1, 0.0);
 (438397.9, 3748865.2, 133.3, 1142.1, 0.0); (440139.1,
 3748683.9, 179.3, 1142.1, 0.0);
 (440002.2, 3748591.4, 218.4, 1142.1, 0.0); (440259.3,
 3748774.5, 213.0, 1142.1, 0.0);
 (440224.2, 3748719.1, 219.6, 1142.1, 0.0); (440054.0,
 3748543.3, 228.3, 1142.1, 0.0);
 (440109.5, 3748565.5, 215.8, 1142.1, 0.0); (440187.2,
 3748672.8, 202.0, 1142.1, 0.0);
 (439987.4, 3748878.1, 158.8, 1142.1, 0.0);

^ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 11, RIV
 SR-91\Segment 11, RIV SR-91.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 13:06:10

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
 BE PERFORMED *
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
 FASTAREA/FASTALL

SOURCE - - RECEPTOR LOCATION - -

DISTANCE (METERS)	ID	XR (METERS)	YR (METERS)
-16.36	L0000003	439347.9	3748965.2
-17.47	L0000004	439247.9	3748965.2
-48.43	L0000004	439347.9	3748965.2
-17.40	L0000005	439247.9	3748865.2
-58.14	L0000005	439247.9	3748965.2
-57.19	L0000006	439147.9	3748865.2
-3.48	L0000006	439147.9	3748965.2
-9.88	L0000006	439247.9	3748865.2
-3.75	L0000007	439047.9	3748765.2
-15.39	L0000007	439047.9	3748865.2
-16.62	L0000007	439147.9	3748765.2
-30.82	L0000007	439147.9	3748865.2
-84.23	L0000008	439047.9	3748765.2
-14.14	L0000009	438947.9	3748765.2
-10.40	L0000010	438847.9	3748665.2
-17.98	L0000012	438747.9	3748565.2
-1.49	L0000013	438647.9	3748465.2
-9.41	L0000014	438647.9	3748465.2

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 11, RIV
 SR-91\Segment 11, RIV SR-91.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 13:06:10

12 01 01	1 21	-6.3	0.113	-9.000	-9.000	-999.	91.	20.5	0.26	2.61
1.00	1.11	304.	10.1	287.0	2.0					
12 01 01	1 22	-3.1	0.082	-9.000	-9.000	-999.	57.	16.3	0.26	2.61
1.00	0.75	76.	10.1	285.4	2.0					
12 01 01	1 23	-2.4	0.076	-9.000	-9.000	-999.	50.	16.7	0.26	2.61
1.00	0.62	306.	10.1	284.9	2.0					
12 01 01	1 24	-3.6	0.087	-9.000	-9.000	-999.	62.	16.6	0.26	2.61
1.00	0.82	318.	10.1	283.8	2.0					

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	322.	0.96	283.8	99.0	-99.00	-99.00

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

*** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 11, RIV
 SR-91\Segment 11, RIV SR-91.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
438647.91	3748465.25	156.22891	438647.91
3748565.25	197.03076		
438647.91	3748665.25	136.84189	438647.91
3748765.25	104.58437		
438647.91	3748865.25	84.35576	438647.91
3748965.25	70.43250		
438647.91	3749065.25	57.61610	438647.91
3749165.25	41.77211		
438647.91	3749265.25	38.88883	438647.91

3749365.25	35.54001		
	438747.91	3748565.25	241.54372
3748665.25	203.50226		438747.91
	438747.91	3748765.25	139.76965
3748865.25	108.16616		438747.91
	438747.91	3748965.25	88.11954
3749065.25	78.09347		438747.91
	438747.91	3749165.25	60.79355
3749265.25	49.89833		438747.91
	438747.91	3749365.25	39.73579
3748665.25	303.43142		438847.91
	438847.91	3748765.25	214.41965
3748865.25	166.12881		438847.91
	438847.91	3748965.25	119.32177
3749065.25	90.77217		438847.91
	438847.91	3749165.25	68.37342
3749265.25	54.23213		438847.91
	438847.91	3749365.25	44.09533
3748765.25	274.87751		438947.91
	438947.91	3748865.25	241.96118
3748965.25	162.92136		438947.91
	438947.91	3749065.25	112.34302
3749165.25	80.20508		438947.91
	438947.91	3749265.25	61.68378
3749365.25	49.42282		438947.91
	439047.91	3748765.25	240.23473
3748865.25	286.93200		439047.91
	439047.91	3748965.25	223.14270
3749065.25	141.88325		439047.91
	439047.91	3749165.25	96.01759
3749265.25	70.44786		439047.91
	439047.91	3749365.25	54.28674
3748765.25	235.45161		439147.91
	439147.91	3748865.25	201.36829
3748965.25	266.36165		439147.91
	439147.91	3749065.25	191.77324
3749165.25	116.99286		439147.91
	439147.91	3749265.25	80.11910
3748765.25	191.82372		439247.91
	439247.91	3748865.25	164.73633
3748965.25	211.69247		439247.91
	439247.91	3749065.25	292.00602
3749165.25	145.77668		439247.91
	439347.91	3748765.25	131.56544
3748865.25	224.70675		439347.91
	439347.91	3748965.25	203.43455
3749165.25	176.07646		439347.91
	439447.91	3748765.25	100.73479
3748765.25	77.35654		439547.91
	439547.91	3748865.25	112.65100

3748765.25	62.80538			
	439647.91	3748865.25	83.52595	439897.91
3749115.25	43.47831			
	439897.91	3748865.25	43.32446	440147.91
3749115.25	24.25265			
	440147.91	3748865.25	26.90939	440147.91
3748615.25	20.87373			
	440147.91	3748365.25	10.91984	438397.91
3748115.25	111.36419			
	438397.91	3748365.25	117.13998	438397.91
3748615.25	71.10834			
	438397.91	3748865.25	49.48683	440139.09
3748683.91	22.12741			
	440002.21	3748591.42	15.63233	440259.32
3748774.55	13.47791			
	440224.18	3748719.06	13.11138	440054.00
3748543.33	13.84124			
	440109.49	3748565.53	13.78903	440187.18
3748672.81	15.38727			
	439987.41	3748878.13	36.45170	

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 11, RIV
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

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

ALL	1ST HIGHEST VALUE IS	303.43142 AT (	438847.91, 3748665.25,
153.56,	1142.09, 0.00) DC		
	2ND HIGHEST VALUE IS	292.00602 AT (	439247.91, 3749065.25,
150.33,	1142.09, 0.00) DC		
	3RD HIGHEST VALUE IS	286.93200 AT (	439047.91, 3748865.25,
163.50,	1142.09, 0.00) DC		
	4TH HIGHEST VALUE IS	274.87751 AT (	438947.91, 3748765.25,

172.40, 1142.09, 0.00) DC
 5TH HIGHEST VALUE IS 266.36165 AT (439147.91, 3748965.25,
 155.08, 1142.09, 0.00) DC
 6TH HIGHEST VALUE IS 241.96118 AT (438947.91, 3748865.25,
 165.74, 1142.09, 0.00) DC
 7TH HIGHEST VALUE IS 241.54372 AT (438747.91, 3748565.25,
 135.71, 1142.09, 0.00) DC
 8TH HIGHEST VALUE IS 240.23473 AT (439047.91, 3748765.25,
 169.10, 1142.09, 0.00) DC
 9TH HIGHEST VALUE IS 235.45161 AT (439147.91, 3748765.25,
 170.38, 1142.09, 0.00) DC
 10TH HIGHEST VALUE IS 224.70675 AT (439347.91, 3748865.25,
 159.98, 1142.09, 0.00) DC

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

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 11, RIV
 SR-91\Segment 11, RIV SR-91.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 13:06:10

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
 A Total of 2 Warning Message(s)
 A Total of 2285 Informational Message(s)
 A Total of 43848 Hours Were Processed
 A Total of 1588 Calm Hours Identified
 A Total of 697 Missing Hours Identified (1.59 Percent)

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

***** WARNING MESSAGES *****
 ME W186 114 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
 ME W187 114 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 12, SB I-15 ONT\Segment 12, SB I-15 ONT.ADI
**

```

```

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

```

```

CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 12, SB I-15 ONT\Segment 12, SB I-15 ONT
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 173212
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 12, SB I-15 ONT.err"
CO FINISHED

```

```

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

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 61.00
** Configuration = Adjacent
** Emission Rate = 26.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 2
** 449719.320, 3771523.760, 326.41, 2.00, 28.37
** 449723.770, 3769911.980, 305.08, 2.00, 28.37
** -----
  LOCATION L000001      VOLUME  449719.404 3771493.260 326.01

```

LOCATION	L0000002	VOLUME	449719.573	3771432.260	325.20
LOCATION	L0000003	VOLUME	449719.741	3771371.261	324.39
LOCATION	L0000004	VOLUME	449719.909	3771310.261	323.58
LOCATION	L0000005	VOLUME	449720.078	3771249.261	322.78
LOCATION	L0000006	VOLUME	449720.246	3771188.261	321.97
LOCATION	L0000007	VOLUME	449720.415	3771127.262	321.16
LOCATION	L0000008	VOLUME	449720.583	3771066.262	320.36
LOCATION	L0000009	VOLUME	449720.752	3771005.262	319.55
LOCATION	L0000010	VOLUME	449720.920	3770944.262	318.74
LOCATION	L0000011	VOLUME	449721.088	3770883.262	317.93
LOCATION	L0000012	VOLUME	449721.257	3770822.263	317.13
LOCATION	L0000013	VOLUME	449721.425	3770761.263	316.32
LOCATION	L0000014	VOLUME	449721.594	3770700.263	315.51
LOCATION	L0000015	VOLUME	449721.762	3770639.263	314.70
LOCATION	L0000016	VOLUME	449721.930	3770578.264	313.90
LOCATION	L0000017	VOLUME	449722.099	3770517.264	313.09
LOCATION	L0000018	VOLUME	449722.267	3770456.264	312.28
LOCATION	L0000019	VOLUME	449722.436	3770395.264	311.48
LOCATION	L0000020	VOLUME	449722.604	3770334.265	310.67
LOCATION	L0000021	VOLUME	449722.773	3770273.265	309.86
LOCATION	L0000022	VOLUME	449722.941	3770212.265	309.05
LOCATION	L0000023	VOLUME	449723.109	3770151.265	308.25
LOCATION	L0000024	VOLUME	449723.278	3770090.265	307.44
LOCATION	L0000025	VOLUME	449723.446	3770029.266	306.63
LOCATION	L0000026	VOLUME	449723.615	3769968.266	305.82

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0000001	1.0	2.00	28.37	0.93
SRCPARAM	L0000002	1.0	2.00	28.37	0.93
SRCPARAM	L0000003	1.0	2.00	28.37	0.93
SRCPARAM	L0000004	1.0	2.00	28.37	0.93
SRCPARAM	L0000005	1.0	2.00	28.37	0.93
SRCPARAM	L0000006	1.0	2.00	28.37	0.93
SRCPARAM	L0000007	1.0	2.00	28.37	0.93
SRCPARAM	L0000008	1.0	2.00	28.37	0.93
SRCPARAM	L0000009	1.0	2.00	28.37	0.93
SRCPARAM	L0000010	1.0	2.00	28.37	0.93
SRCPARAM	L0000011	1.0	2.00	28.37	0.93
SRCPARAM	L0000012	1.0	2.00	28.37	0.93
SRCPARAM	L0000013	1.0	2.00	28.37	0.93
SRCPARAM	L0000014	1.0	2.00	28.37	0.93
SRCPARAM	L0000015	1.0	2.00	28.37	0.93
SRCPARAM	L0000016	1.0	2.00	28.37	0.93
SRCPARAM	L0000017	1.0	2.00	28.37	0.93
SRCPARAM	L0000018	1.0	2.00	28.37	0.93
SRCPARAM	L0000019	1.0	2.00	28.37	0.93
SRCPARAM	L0000020	1.0	2.00	28.37	0.93
SRCPARAM	L0000021	1.0	2.00	28.37	0.93
SRCPARAM	L0000022	1.0	2.00	28.37	0.93

SRCPARAM L000023	1.0	2.00	28.37	0.93
SRCPARAM L000024	1.0	2.00	28.37	0.93
SRCPARAM L000025	1.0	2.00	28.37	0.93
SRCPARAM L000026	1.0	2.00	28.37	0.93

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 12, SB I-15 ONT.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\kheck\Desktop\MET Data\FontanaADJU\FONT_V9_ADJU\FONT_v9.SFC"

PROFFILE "C:\Users\kheck\Desktop\MET Data\FontanaADJU\FONT_V9_ADJU\FONT_v9.PFL"

SURFDATA 3102 2011

UAIRDATA 3190 2011

SITEDATA 99999 2011

PROFBASE 853.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "Segment 12, SB I-15 ONT.AD\AN00GALL.PLT" 31

SUMMFILE "Segment 12, SB I-15 ONT.sum"

OU FINISHED

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

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

A Total of 0 Fatal Error Message(s)

A Total of 2 Warning Message(s)

A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W186 131 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 131 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 12, SB I-15
ONT\Segment 12, SB I-15 ONT *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 13:21:58

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 26 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 173212.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

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

****Other Options Specified:**

ADJ_U* - Use ADJ_U* option for SBL in AERMET
TEMP_Sub - Meteorological data includes TEMP substitutions

****Model Assumes No FLAGPOLE Receptor Heights.**

****The User Specified a Pollutant Type of: PM₁₀**

****Model Calculates ANNUAL Averages Only**

****This Run Includes: 26 Source(s); 1 Source Group(s); and 205 Receptor(s)**

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 26 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

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

****Output Options Selected:**

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE

Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE

Keyword)

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

Hours

b for Both Calm

and Missing Hours

****Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 853.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0**

Emission Units = GRAMS/SEC ;

Emission Rate Unit Factor = 0.10000E+07

Output Units = MICROGRAMS/M**3

****Approximate Storage Requirements of Model = 3.5 MB of RAM.**

****Input Runstream File: aermod.inp**

****Output Print File: aermod.out**

**Detailed Error/Message File: Segment 12, SB I-15 ONT.err

**File for Summary of Results: Segment 12, SB I-15 ONT.sum

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 12, SB I-15
ONT\Segment 12, SB I-15 ONT *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 13:21:58

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0000001	0	0.10000E+01	449719.4	3771493.3	326.0	2.00	28.37
0.93 YES							
L0000002	0	0.10000E+01	449719.6	3771432.3	325.2	2.00	28.37
0.93 YES							
L0000003	0	0.10000E+01	449719.7	3771371.3	324.4	2.00	28.37
0.93 YES							
L0000004	0	0.10000E+01	449719.9	3771310.3	323.6	2.00	28.37
0.93 YES							
L0000005	0	0.10000E+01	449720.1	3771249.3	322.8	2.00	28.37
0.93 YES							
L0000006	0	0.10000E+01	449720.2	3771188.3	322.0	2.00	28.37
0.93 YES							
L0000007	0	0.10000E+01	449720.4	3771127.3	321.2	2.00	28.37
0.93 YES							
L0000008	0	0.10000E+01	449720.6	3771066.3	320.4	2.00	28.37
0.93 YES							
L0000009	0	0.10000E+01	449720.8	3771005.3	319.6	2.00	28.37
0.93 YES							
L0000010	0	0.10000E+01	449720.9	3770944.3	318.7	2.00	28.37
0.93 YES							
L0000011	0	0.10000E+01	449721.1	3770883.3	317.9	2.00	28.37
0.93 YES							
L0000012	0	0.10000E+01	449721.3	3770822.3	317.1	2.00	28.37
0.93 YES							

L0000013	0	0.10000E+01	449721.4	3770761.3	316.3	2.00	28.37
0.93	YES						
L0000014	0	0.10000E+01	449721.6	3770700.3	315.5	2.00	28.37
0.93	YES						
L0000015	0	0.10000E+01	449721.8	3770639.3	314.7	2.00	28.37
0.93	YES						
L0000016	0	0.10000E+01	449721.9	3770578.3	313.9	2.00	28.37
0.93	YES						
L0000017	0	0.10000E+01	449722.1	3770517.3	313.1	2.00	28.37
0.93	YES						
L0000018	0	0.10000E+01	449722.3	3770456.3	312.3	2.00	28.37
0.93	YES						
L0000019	0	0.10000E+01	449722.4	3770395.3	311.5	2.00	28.37
0.93	YES						
L0000020	0	0.10000E+01	449722.6	3770334.3	310.7	2.00	28.37
0.93	YES						
L0000021	0	0.10000E+01	449722.8	3770273.3	309.9	2.00	28.37
0.93	YES						
L0000022	0	0.10000E+01	449722.9	3770212.3	309.1	2.00	28.37
0.93	YES						
L0000023	0	0.10000E+01	449723.1	3770151.3	308.2	2.00	28.37
0.93	YES						
L0000024	0	0.10000E+01	449723.3	3770090.3	307.4	2.00	28.37
0.93	YES						
L0000025	0	0.10000E+01	449723.4	3770029.3	306.6	2.00	28.37
0.93	YES						
L0000026	0	0.10000E+01	449723.6	3769968.3	305.8	2.00	28.37
0.93	YES						

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 12, SB I-15
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006	, L0000007 , L0000008 ,
L0000014	, L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
	, L0000015 , L0000016 ,

L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 ,

L0000025 , L0000026 ,
▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 12, SB I-15
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0000005	173212.	L0000001 , L0000002 , L0000003 , L0000004 ,
L0000008		L0000006 , L0000007 ,
L0000014	L0000009	L0000010 , L0000011 , L0000012 , L0000013 ,
	L0000015	L0000016 ,
L0000022	L0000017	L0000018 , L0000019 , L0000020 , L0000021 ,
	L0000023	L0000024 ,

L0000025 , L0000026 ,
▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 12, SB I-15
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(448451.0, 3771081.4, 319.5, 319.5, 0.0); (448429.2,
3771103.1, 319.7, 319.7, 0.0);
(448398.7, 3771075.8, 319.2, 319.2, 0.0); (448450.2,
3771159.0, 320.6, 320.6, 0.0);
(448401.4, 3771157.2, 320.5, 320.5, 0.0); (448450.7,
3771207.8, 321.4, 321.4, 0.0);
(448396.5, 3771215.5, 321.2, 321.2, 0.0); (448424.5,

3771242.8, 321.9, 321.9, 0.0);
(448378.0, 3771022.0, 318.3, 318.3, 0.0); (448347.3,
3771019.3, 318.1, 318.1, 0.0);
(448343.9, 3771051.1, 318.6, 318.6, 0.0); (448353.3,
3771120.2, 319.7, 319.7, 0.0);
(448333.4, 3771144.9, 319.9, 319.9, 0.0); (448296.9,
3771133.9, 319.4, 319.4, 0.0);
(448307.2, 3771056.4, 318.4, 318.4, 0.0); (448267.0,
3771046.1, 317.9, 317.9, 0.0);
(448265.1, 3771083.3, 318.6, 318.6, 0.0); (448258.1,
3770988.3, 317.0, 317.0, 0.0);
(448246.3, 3771025.6, 317.5, 317.5, 0.0); (448211.9,
3771012.5, 317.2, 317.2, 0.0);
(448288.7, 3770935.7, 316.5, 316.5, 0.0); (448265.8,
3770903.7, 315.9, 315.9, 0.0);
(448239.8, 3770936.2, 316.2, 316.2, 0.0); (448189.1,
3770940.1, 316.1, 316.1, 0.0);
(448162.4, 3770903.8, 315.6, 315.6, 0.0); (448139.6,
3770939.1, 316.2, 316.2, 0.0);
(448208.9, 3771064.0, 318.0, 318.0, 0.0); (448240.2,
3771136.4, 319.4, 319.4, 0.0);
(448276.1, 3771198.1, 320.1, 320.1, 0.0); (448132.8,
3771030.3, 317.4, 317.4, 0.0);
(448094.0, 3771023.7, 317.9, 317.9, 0.0); (448084.6,
3771061.3, 319.4, 319.4, 0.0);
(448158.4, 3771086.8, 318.6, 318.6, 0.0); (448187.8,
3771121.3, 319.1, 319.1, 0.0);
(448200.7, 3771159.8, 319.9, 319.9, 0.0); (448190.9,
3771193.7, 320.3, 320.3, 0.0);
(448234.1, 3771256.0, 321.2, 321.2, 0.0); (448219.6,
3771296.6, 321.8, 321.8, 0.0);
(448173.4, 3771231.0, 320.7, 320.7, 0.0); (448136.2,
3771188.3, 320.1, 320.1, 0.0);
(448096.1, 3771124.4, 319.4, 319.4, 0.0); (448063.5,
3771089.2, 319.6, 319.6, 0.0);
(447996.7, 3771051.8, 319.8, 319.8, 0.0); (447928.9,
3771027.6, 318.1, 318.1, 0.0);
(447897.0, 3770974.8, 316.8, 316.8, 0.0); (447855.1,
3770923.5, 314.9, 314.9, 0.0);
(448441.5, 3771735.4, 328.9, 328.9, 0.0); (448395.8,
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(448445.1, 3771787.1, 329.6, 329.6, 0.0); (448423.5,
3771810.3, 330.1, 330.1, 0.0);
(448398.2, 3771788.8, 329.6, 329.6, 0.0); (448359.6,
3771742.5, 329.0, 329.0, 0.0);
(448333.2, 3771731.4, 329.1, 329.1, 0.0); (448307.0,
3771746.6, 329.3, 329.3, 0.0);
(448322.5, 3771795.3, 330.1, 330.1, 0.0); (448355.5,
3771807.7, 330.1, 330.1, 0.0);
(448329.2, 3771836.8, 330.6, 330.6, 0.0); (448430.2,

3771870.3, 331.0, 331.0, 0.0);
 (448448.4, 3771945.9, 332.2, 332.2, 0.0); (448423.7,
 3771931.3, 331.8, 331.8, 0.0);
 (448398.7, 3771938.2, 331.8, 331.8, 0.0); (448428.0,
 3771992.3, 332.9, 332.9, 0.0);
 (448357.8, 3771741.6, 329.0, 329.0, 0.0); (448330.8,
 3771731.8, 329.1, 329.1, 0.0);
 (448305.7, 3771744.6, 329.3, 329.3, 0.0); (448323.2,
 3771795.7, 330.1, 330.1, 0.0);
 (448351.9, 3771810.7, 330.1, 330.1, 0.0); (448328.3,
 3771839.2, 330.7, 330.7, 0.0);
 (448366.2, 3771895.9, 331.4, 331.4, 0.0); (449218.4,
 3770240.8, 307.9, 307.9, 0.0);
 (449218.4, 3770340.8, 309.3, 309.3, 0.0); (449218.4,
 3770440.8, 310.5, 310.5, 0.0);
 (449218.4, 3770940.8, 317.2, 317.2, 0.0); (449218.4,
 3771040.8, 318.7, 318.7, 0.0);
 (449218.4, 3771140.8, 320.4, 320.4, 0.0); (449218.4,
 3771240.8, 322.2, 322.2, 0.0);
 (449318.4, 3770240.8, 308.2, 308.2, 0.0); (449318.4,
 3770340.8, 309.5, 309.5, 0.0);
 (449318.4, 3770440.8, 310.8, 310.8, 0.0); (449318.4,
 3770940.8, 317.3, 317.3, 0.0);
 (449318.4, 3771040.8, 318.8, 318.8, 0.0); (449318.4,
 3771140.8, 320.4, 320.4, 0.0);
 (449318.4, 3771240.8, 322.0, 322.0, 0.0); (449418.4,
 3770340.8, 309.8, 309.8, 0.0);
 (449418.4, 3770640.8, 313.5, 313.5, 0.0); (449418.4,
 3770940.8, 317.2, 317.2, 0.0);
 (449418.4, 3771040.8, 318.8, 318.8, 0.0); (449418.4,
 3771140.8, 320.4, 320.4, 0.0);
 (449418.4, 3771240.8, 322.2, 322.2, 0.0); (449518.4,
 3770540.8, 313.6, 313.6, 0.0);

*** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 12, SB I-15
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(449518.4, 3770940.8, 317.6, 317.6, 0.0); (449518.4,
 3771040.8, 319.2, 319.2, 0.0);
 (449518.4, 3771140.8, 320.7, 320.7, 0.0); (449518.4,
 3771240.8, 322.4, 322.4, 0.0);
 (449618.4, 3770540.8, 313.4, 313.4, 0.0); (449618.4,

3770640.8, 314.4, 314.4, 0.0);
(449618.4, 3770740.8, 315.7, 315.7, 0.0); (449718.4,
3770240.8, 310.0, 310.0, 0.0);
(449718.4, 3770340.8, 311.4, 311.4, 0.0); (449718.4,
3770440.8, 312.6, 312.6, 0.0);
(449718.4, 3770540.8, 314.0, 314.0, 0.0); (449718.4,
3770640.8, 315.2, 315.2, 0.0);
(449718.4, 3770740.8, 316.6, 316.6, 0.0); (449818.4,
3770240.8, 310.0, 310.0, 0.0);
(449818.4, 3770340.8, 311.4, 311.4, 0.0); (449818.4,
3770440.8, 312.9, 312.9, 0.0);
(449818.4, 3770540.8, 314.3, 314.3, 0.0); (449818.4,
3770640.8, 316.1, 316.1, 0.0);
(449818.4, 3770740.8, 317.1, 317.1, 0.0); (449918.4,
3770240.8, 310.4, 310.4, 0.0);
(449918.4, 3770340.8, 311.7, 311.7, 0.0); (449918.4,
3770440.8, 313.2, 313.2, 0.0);
(449918.4, 3770540.8, 314.6, 314.6, 0.0); (449918.4,
3770640.8, 317.0, 317.0, 0.0);
(449918.4, 3770740.8, 317.8, 317.8, 0.0); (449918.4,
3770940.8, 320.2, 320.2, 0.0);
(449918.4, 3771040.8, 321.7, 321.7, 0.0); (449918.4,
3771140.8, 323.4, 323.4, 0.0);
(449918.4, 3771240.8, 323.8, 323.8, 0.0); (450018.4,
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(450018.4, 3770340.8, 311.5, 311.5, 0.0); (450018.4,
3770440.8, 312.9, 312.9, 0.0);
(450018.4, 3770540.8, 314.5, 314.5, 0.0); (450018.4,
3770640.8, 315.8, 315.8, 0.0);
(450018.4, 3770740.8, 317.2, 317.2, 0.0); (450018.4,
3770940.8, 320.6, 320.6, 0.0);
(450018.4, 3771040.8, 320.8, 320.8, 0.0); (450018.4,
3771140.8, 323.2, 323.2, 0.0);
(450018.4, 3771240.8, 323.7, 323.7, 0.0); (450118.4,
3770240.8, 310.3, 310.3, 0.0);
(450118.4, 3770340.8, 311.5, 311.5, 0.0); (450118.4,
3770440.8, 312.7, 312.7, 0.0);
(450118.4, 3770540.8, 314.1, 314.1, 0.0); (450118.4,
3770640.8, 315.5, 315.5, 0.0);
(450118.4, 3770740.8, 317.0, 317.0, 0.0); (450118.4,
3770940.8, 320.3, 320.3, 0.0);
(450118.4, 3771040.8, 321.7, 321.7, 0.0); (450118.4,
3771140.8, 322.9, 322.9, 0.0);
(450118.4, 3771240.8, 323.6, 323.6, 0.0); (450218.4,
3770240.8, 310.3, 310.3, 0.0);
(450218.4, 3770340.8, 311.2, 311.2, 0.0); (450218.4,
3770440.8, 312.6, 312.6, 0.0);
(450218.4, 3770540.8, 313.7, 313.7, 0.0); (450218.4,
3770640.8, 315.2, 315.2, 0.0);
(450218.4, 3770740.8, 316.4, 316.4, 0.0); (450218.4,

3770940.8, 320.2, 320.2, 0.0);
 (450218.4, 3771040.8, 321.8, 321.8, 0.0); (450218.4,
 3771140.8, 323.4, 323.4, 0.0);
 (450218.4, 3771240.8, 324.1, 324.1, 0.0); (449218.4,
 3771490.8, 326.6, 326.6, 0.0);
 (449218.4, 3771740.8, 329.7, 329.7, 0.0); (449468.4,
 3771490.8, 326.6, 326.6, 0.0);
 (449468.4, 3771740.8, 329.5, 329.5, 0.0); (449718.4,
 3771490.8, 326.0, 326.0, 0.0);
 (449718.4, 3771740.8, 329.8, 329.8, 0.0); (449968.4,
 3771490.8, 326.9, 326.9, 0.0);
 (449968.4, 3771740.8, 330.4, 330.4, 0.0); (450218.4,
 3771490.8, 327.9, 327.9, 0.0);
 (450218.4, 3771740.8, 332.3, 332.3, 0.0); (450468.4,
 3771490.8, 327.6, 327.6, 0.0);
 (450468.4, 3771740.8, 331.3, 331.3, 0.0); (450718.4,
 3771490.8, 327.1, 327.1, 0.0);
 (450718.4, 3771740.8, 330.5, 330.5, 0.0); (450468.4,
 3771240.8, 323.5, 323.5, 0.0);
 (450468.4, 3770990.8, 319.7, 319.7, 0.0); (450468.4,
 3770740.8, 316.0, 316.0, 0.0);
 (450468.4, 3770490.8, 313.2, 313.2, 0.0); (450468.4,
 3770240.8, 310.3, 310.3, 0.0);
 (450468.4, 3769990.8, 307.8, 307.8, 0.0); (450468.4,
 3769740.8, 304.5, 304.5, 0.0);
 (450718.4, 3771240.8, 323.5, 323.5, 0.0); (450718.4,
 3770990.8, 319.4, 319.4, 0.0);
 (450718.4, 3770740.8, 316.5, 316.5, 0.0); (450718.4,
 3770490.8, 314.1, 314.1, 0.0);
 (450718.4, 3770240.8, 310.9, 310.9, 0.0); (450718.4,
 3769990.8, 308.0, 308.0, 0.0);
 (450718.4, 3769740.8, 304.9, 304.9, 0.0); (450218.4,
 3769990.8, 307.7, 307.7, 0.0);
 (450218.4, 3769740.8, 303.4, 303.4, 0.0); (449968.4,
 3769990.8, 306.9, 306.9, 0.0);

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 12, SB I-15
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 *** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(449968.4, 3769740.8, 301.8, 301.8, 0.0); (449718.4,
 3769990.8, 306.5, 306.5, 0.0);
 (449718.4, 3769740.8, 302.3, 302.3, 0.0); (449468.4,

```

3769990.8,    306.3,    306.3,    0.0);
  ( 449468.4, 3769740.8,    302.7,    302.7,    0.0);    ( 449218.4,
3769990.8,    305.4,    305.4,    0.0);
  ( 449218.4, 3769740.8,    302.4,    302.4,    0.0);    ( 448968.4,
3769990.8,    304.4,    304.4,    0.0);
  ( 448968.4, 3769740.8,    301.6,    301.6,    0.0);    ( 448718.4,
3769990.8,    304.1,    304.1,    0.0);
  ( 448718.4, 3769740.8,    301.1,    301.1,    0.0);    ( 448968.4,
3770490.8,    310.6,    310.6,    0.0);
  ( 448968.4, 3770990.8,    317.7,    317.7,    0.0);    ( 448968.4,
3771240.8,    321.6,    321.6,    0.0);
  ( 448968.4, 3771490.8,    325.2,    325.2,    0.0);    ( 448968.4,
3771740.8,    328.9,    328.9,    0.0);
  ( 448718.4, 3770490.8,    310.0,    310.0,    0.0);    ( 448718.4,
3770990.8,    317.7,    317.7,    0.0);
  ( 448718.4, 3771240.8,    321.7,    321.7,    0.0);    ( 448718.4,
3771490.8,    325.5,    325.5,    0.0);
  ( 448718.4, 3771740.8,    329.3,    329.3,    0.0);    ( 449700.3,
3771531.4,    326.5,    326.5,    0.0);
  ( 449748.6, 3771525.3,    326.4,    326.4,    0.0);    ( 449754.6,
3769950.3,    305.8,    305.8,    0.0);
  ( 449670.2, 3769950.3,    305.9,    305.9,    0.0);

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^ *** AERMOD - VERSION 18081 ***    *** C:\Lakes\AERMOD View\Segment 12, SB I-15
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
-58.31	L0000001	449718.4	3771490.8
-18.39	L0000001	449700.3	3771531.4
-17.63	L0000001	449748.6	3771525.3

11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82
1.00	1.80	69.			9.1	276.4	5.5						
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82
1.00	2.20	52.			9.1	275.4	5.5						
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82
1.00	1.80	32.			9.1	275.4	5.5						
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82
1.00	0.40	27.			9.1	274.2	5.5						
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82
1.00	1.80	51.			9.1	274.2	5.5						
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82
1.00	2.70	53.			9.1	274.2	5.5						
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82
1.00	2.20	70.			9.1	274.2	5.5						
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82
0.54	1.30	72.			9.1	275.4	5.5						
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82
0.32	2.20	67.			9.1	277.5	5.5						
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82
0.25	1.80	83.			9.1	279.9	5.5						
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82
0.22	2.20	58.			9.1	282.0	5.5						
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82
0.21	2.20	115.			9.1	283.1	5.5						
11	01	01	1	13	132.6	0.214	1.733	0.009	1377.	243.	-6.5	0.25	2.82
0.21	1.30	147.			9.1	284.2	5.5						
11	01	01	1	14	147.0	0.216	1.818	0.009	1431.	242.	-6.0	0.25	2.82
0.23	1.30	219.			9.1	284.9	5.5						
11	01	01	1	15	104.0	0.208	1.633	0.009	1468.	228.	-7.6	0.25	2.82
0.26	1.30	126.			9.1	285.4	5.5						
11	01	01	1	16	26.4	0.140	1.037	0.009	1477.	127.	-9.1	0.25	2.82
0.35	0.90	151.			9.1	284.9	5.5						
11	01	01	1	17	-9.0	0.137	-9.000	-9.000	-999.	121.	24.9	0.25	2.82
0.63	1.30	69.			9.1	283.1	5.5						
11	01	01	1	18	-33.4	0.342	-9.000	-9.000	-999.	481.	129.0	0.25	2.82
1.00	3.10	81.			9.1	281.4	5.5						
11	01	01	1	19	-33.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.25	2.82
1.00	3.10	51.			9.1	279.9	5.5						
11	01	01	1	20	-23.6	0.239	-9.000	-9.000	-999.	287.	63.1	0.25	2.82
1.00	2.20	77.			9.1	278.8	5.5						
11	01	01	1	21	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82
1.00	1.80	53.			9.1	277.5	5.5						
11	01	01	1	22	-23.7	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82
1.00	2.20	58.			9.1	277.5	5.5						
11	01	01	1	23	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82
1.00	1.80	64.			9.1	277.5	5.5						
11	01	01	1	24	-4.5	0.094	-9.000	-9.000	-999.	74.	16.3	0.25	2.82
1.00	0.90	52.			9.1	277.0	5.5						

3771133.91	14.80049			
	448307.17	3771056.41	15.45196	448266.95
3771046.14	14.99521			
	448265.10	3771083.29	14.68754	448258.10
3770988.30	15.20733			
	448246.33	3771025.62	14.78806	448211.91
3771012.48	14.42689			
	448288.69	3770935.72	15.89319	448265.78
3770903.72	15.73669			
	448239.81	3770936.21	15.22147	448189.13
3770940.10	14.46275			
	448162.42	3770903.75	14.27590	448139.58
3770939.12	13.76742			
	448208.90	3771064.05	14.08433	448240.22
3771136.41	13.95485			
	448276.11	3771198.15	14.07245	448132.83
3771030.32	13.22254			
	448093.96	3771023.67	12.70268	448084.65
3771061.27	12.18911			
	448158.38	3771086.75	13.18719	448187.76
3771121.26	13.33815			
	448200.69	3771159.79	13.20531	448190.90
3771193.68	12.91654			
	448234.13	3771256.03	13.03839	448219.57
3771296.61	12.55567			
	448173.44	3771231.01	12.45743	448136.25
3771188.32	12.31402			
	448096.08	3771124.40	12.17954	448063.45
3771089.20	11.86992			
	447996.72	3771051.78	11.16966	447928.93
3771027.59	10.93696			
	447896.97	3770974.80	10.90327	447855.11
3770923.51	10.85518			
	448441.53	3771735.38	10.71092	448395.82
3771736.36	10.27391			
	448445.09	3771787.14	10.16100	448423.54
3771810.35	9.72329			
	448398.22	3771788.78	9.74060	448359.57
3771742.49	9.89363			
	448333.17	3771731.42	9.71143	448306.96
3771746.56	9.37351			
	448322.49	3771795.29	9.00574	448355.55
3771807.67	9.20390			
	448329.16	3771836.81	8.65512	448430.25
3771870.32	9.12559			
	448448.38	3771945.88	8.44312	448423.66
3771931.33	8.45943			
	448398.68	3771938.21	8.25531	448427.99
3771992.32	7.92853			
	448357.83	3771741.56	9.88329	448330.80

3771731.79	9.68281			
	448305.71	3771744.59	9.37703	448323.18
3771795.69	9.00904			
	448351.94	3771810.66	9.14533	448328.26
3771839.25	8.62582			
	448366.24	3771895.95	8.35210	449218.44
3770240.75	68.47403			
	449218.44	3770340.75	71.55071	449218.44
3770440.75	73.69249			
	449218.44	3770940.75	69.20025	449218.44
3771040.75	65.80769			
	449218.44	3771140.75	61.55107	449218.44
3771240.75	56.08871			
	449318.44	3770240.75	88.77254	449318.44
3770340.75	93.01525			
	449318.44	3770440.75	95.54956	449318.44
3770940.75	91.11750			

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 12, SB I-15
 ONT\Segment 12, SB I-15 ONT *** 10/28/19
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 *** 13:21:58

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
449318.44	3771040.75	86.94254	449318.44
3771140.75	81.48341		
449318.44	3771240.75	74.69820	449418.44
3770340.75	127.83070		

449418.44	3770640.75	132.94183	449418.44
3770940.75	127.02461		
449418.44	3771040.75	121.95928	449418.44
3771140.75	115.05822		
449418.44	3771240.75	105.22082	449518.44
3770540.75	198.69670		
449518.44	3770940.75	194.08015	449518.44
3771040.75	188.44414		
449518.44	3771140.75	180.20208	449518.44
3771240.75	167.82490		
449618.44	3770540.75	376.22649	449618.44
3770640.75	378.00627		
449618.44	3770740.75	377.60194	449718.44
3770240.75	355.55404		
449718.44	3770340.75	414.60136	449718.44
3770440.75	385.79696		
449718.44	3770540.75	375.62270	449718.44
3770640.75	449.16086		
449718.44	3770740.75	377.92505	449818.44
3770240.75	454.19448		
449818.44	3770340.75	462.74871	449818.44
3770440.75	465.79300		
449818.44	3770540.75	466.38826	449818.44
3770640.75	464.90715		
449818.44	3770740.75	463.94937	449918.44
3770240.75	228.53442		
449918.44	3770340.75	237.46499	449918.44
3770440.75	241.81991		
449918.44	3770540.75	243.57995	449918.44
3770640.75	243.37143		
449918.44	3770740.75	242.55084	449918.44
3770940.75	237.65809		
449918.44	3771040.75	232.81873	449918.44
3771140.75	225.91844		
449918.44	3771240.75	216.73730	450018.44
3770240.75	147.31007		
450018.44	3770340.75	156.60872	450018.44
3770440.75	161.85310		
450018.44	3770540.75	164.47651	450018.44
3770640.75	165.53202		
450018.44	3770740.75	164.56342	450018.44
3770940.75	162.40476		
450018.44	3771040.75	156.97026	450018.44
3771140.75	152.83831		
450018.44	3771240.75	144.03431	450118.44
3770240.75	105.06972		
450118.44	3770340.75	113.91525	450118.44
3770440.75	119.89957		
450118.44	3770540.75	123.29694	450118.44
3770640.75	123.92607		

450118.44	3770740.75	124.25272	450118.44
3770940.75	122.19772		
450118.44	3771040.75	119.69036	450118.44
3771140.75	114.65535		
450118.44	3771240.75	108.37601	450218.44
3770240.75	79.54603		
450218.44	3770340.75	87.29694	450218.44
3770440.75	93.55066		
450218.44	3770540.75	96.44002	450218.44
3770640.75	98.55326		
450218.44	3770740.75	98.39123	450218.44
3770940.75	98.56934		
450218.44	3771040.75	96.86262	450218.44
3771140.75	94.30682		
450218.44	3771240.75	88.95430	449218.44
3771490.75	40.33210		
449218.44	3771740.75	25.49563	449468.44
3771490.75	84.60606		
449468.44	3771740.75	38.87742	449718.44
3771490.75	131.31154		
449718.44	3771740.75	53.72189	449968.44
3771490.75	129.73567		
449968.44	3771740.75	51.49982	450218.44
3771490.75	74.56354		
450218.44	3771740.75	50.11350	450468.44
3771490.75	53.79248		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3771490.75	450468.44	3771740.75	42.94761	450718.44
3771240.75	450718.44	3771740.75	36.34220	450468.44
3770740.75	450468.44	3770990.75	64.20348	450468.44
3770240.75	450468.44	3770490.75	57.82244	450468.44
3769740.75	450468.44	3769990.75	35.20910	450468.44
3770990.75	450718.44	3771240.75	46.12175	450718.44
3770490.75	450718.44	3770740.75	45.04471	450718.44
3769990.75	450718.44	3770240.75	31.56437	450718.44
3769990.75	450718.44	3769740.75	20.11939	450218.44
3769990.75	450218.44	3769740.75	36.66700	449968.44
3769990.75	449968.44	3769740.75	54.64792	449718.44
3769990.75	449718.44	3769740.75	80.40254	449468.44
3769990.75	449468.44	3769740.75	65.28579	449218.44
3769990.75	449218.44	3769740.75	43.17356	448968.44
3769990.75	448968.44	3769740.75	30.37119	448718.44
3770490.75	448718.44	3769740.75	22.51637	448968.44
3771240.75	448968.44	3770990.75	39.53905	448968.44
3771740.75	448968.44	3771490.75	26.35352	448968.44
3770990.75	448718.44	3770490.75	29.40123	448718.44
3771490.75	448718.44	3771240.75	22.68014	448718.44
3771531.36	448718.44	3771740.75	13.85800	449700.33
3769950.32	449748.60	3771525.32	183.70785	449754.64
	449670.16	3769950.32	219.96240	

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 12, SB I-15
 ONT\Segment 12, SB I-15 ONT *** 10/28/19
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	466.38826 AT (	449818.44, 3770540.75,
314.32,	314.32, 0.00) DC		
	2ND HIGHEST VALUE IS	465.79300 AT (	449818.44, 3770440.75,
312.95,	312.95, 0.00) DC		
	3RD HIGHEST VALUE IS	464.90715 AT (	449818.44, 3770640.75,
316.11,	316.11, 0.00) DC		
	4TH HIGHEST VALUE IS	463.94937 AT (	449818.44, 3770740.75,
317.13,	317.13, 0.00) DC		
	5TH HIGHEST VALUE IS	462.74871 AT (	449818.44, 3770340.75,
311.44,	311.44, 0.00) DC		
	6TH HIGHEST VALUE IS	454.19448 AT (	449818.44, 3770240.75,
310.03,	310.03, 0.00) DC		
	7TH HIGHEST VALUE IS	449.16086 AT (	449718.44, 3770640.75,
315.20,	315.20, 0.00) DC		
	8TH HIGHEST VALUE IS	414.60136 AT (	449718.44, 3770340.75,
311.35,	311.35, 0.00) DC		
	9TH HIGHEST VALUE IS	385.79696 AT (	449718.44, 3770440.75,
312.63,	312.63, 0.00) DC		
	10TH HIGHEST VALUE IS	378.00627 AT (	449618.44, 3770640.75,
314.40,	314.40, 0.00) DC		

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

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 12, SB I-15

ONT\Segment 12, SB I-15 ONT *** 10/28/19
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 7 Warning Message(s)
A Total of 838 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 40 Calm Hours Identified

A Total of 798 Missing Hours Identified (1.82 Percent)

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

***** WARNING MESSAGES *****
ME W186 131 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 131 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

MX W438 8800 METQA: Convective Velocity Data Out-of-Range. KURDAT =
12010216
MX W438 11536 METQA: Convective Velocity Data Out-of-Range. KURDAT =
12042516
MX W420 16779 METQA: Wind Speed Out-of-Range. KURDAT =
12113003
MX W450 26305 CHKDAT: Record Out of Sequence in Meteorological File at:
15010101
MX W450 26305 CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 13, SB I-15 VIC\Segment 13, SB I-15 VIC.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 13, SB I-15 VIC\Segment 13, SB I-15 VIC
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 122265
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 13, SB I-15 VIC.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 71.00
** Configuration = Adjacent
** Emission Rate = 23.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 3
** 468971.280, 3815573.840, 942.05, 2.00, 33.02
** 469317.320, 3816248.310, 931.17, 2.00, 33.02
** 469719.590, 3817003.070, 921.00, 2.00, 33.02
** -----

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LOCATION L0000001	VOLUME	468987.485	3815605.426	940.56
LOCATION L0000002	VOLUME	469019.895	3815668.597	940.00
LOCATION L0000003	VOLUME	469052.305	3815731.768	939.36
LOCATION L0000004	VOLUME	469084.716	3815794.939	939.00
LOCATION L0000005	VOLUME	469117.126	3815858.110	938.02
LOCATION L0000006	VOLUME	469149.536	3815921.281	936.17
LOCATION L0000007	VOLUME	469181.946	3815984.452	935.05
LOCATION L0000008	VOLUME	469214.356	3816047.623	933.95
LOCATION L0000009	VOLUME	469246.767	3816110.794	933.00
LOCATION L0000010	VOLUME	469279.177	3816173.965	932.00
LOCATION L0000011	VOLUME	469311.587	3816237.136	931.63
LOCATION L0000012	VOLUME	469344.807	3816299.883	929.77
LOCATION L0000013	VOLUME	469378.202	3816362.540	927.56
LOCATION L0000014	VOLUME	469411.596	3816425.196	927.00
LOCATION L0000015	VOLUME	469444.991	3816487.852	926.16
LOCATION L0000016	VOLUME	469478.385	3816550.508	926.00
LOCATION L0000017	VOLUME	469511.779	3816613.165	925.94
LOCATION L0000018	VOLUME	469545.174	3816675.821	925.82
LOCATION L0000019	VOLUME	469578.568	3816738.477	924.65
LOCATION L0000020	VOLUME	469611.963	3816801.134	923.60
LOCATION L0000021	VOLUME	469645.357	3816863.790	922.36
LOCATION L0000022	VOLUME	469678.751	3816926.446	921.87
LOCATION L0000023	VOLUME	469712.146	3816989.103	921.00

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001	1.0	2.00	33.02	0.93
SRCPARAM L0000002	1.0	2.00	33.02	0.93
SRCPARAM L0000003	1.0	2.00	33.02	0.93
SRCPARAM L0000004	1.0	2.00	33.02	0.93
SRCPARAM L0000005	1.0	2.00	33.02	0.93
SRCPARAM L0000006	1.0	2.00	33.02	0.93
SRCPARAM L0000007	1.0	2.00	33.02	0.93
SRCPARAM L0000008	1.0	2.00	33.02	0.93
SRCPARAM L0000009	1.0	2.00	33.02	0.93
SRCPARAM L0000010	1.0	2.00	33.02	0.93
SRCPARAM L0000011	1.0	2.00	33.02	0.93
SRCPARAM L0000012	1.0	2.00	33.02	0.93
SRCPARAM L0000013	1.0	2.00	33.02	0.93
SRCPARAM L0000014	1.0	2.00	33.02	0.93
SRCPARAM L0000015	1.0	2.00	33.02	0.93
SRCPARAM L0000016	1.0	2.00	33.02	0.93
SRCPARAM L0000017	1.0	2.00	33.02	0.93
SRCPARAM L0000018	1.0	2.00	33.02	0.93
SRCPARAM L0000019	1.0	2.00	33.02	0.93
SRCPARAM L0000020	1.0	2.00	33.02	0.93
SRCPARAM L0000021	1.0	2.00	33.02	0.93
SRCPARAM L0000022	1.0	2.00	33.02	0.93
SRCPARAM L0000023	1.0	2.00	33.02	0.93

**

URBANSRC ALL
SRCGROUP ALL
SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING
INCLUDED "Segment 13, SB I-15 VIC.rou"
RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING
SURFFILE "C:\Users\kheck\Desktop\MET Data\FontanaADJU\FONT_V9_ADJU\FONT_v9.SFC"
PROFFILE "C:\Users\kheck\Desktop\MET Data\FontanaADJU\FONT_V9_ADJU\FONT_v9.PFL"
SURFDATA 3102 2011
UAIRDATA 3190 2011
SITEDATA 99999 2011
PROFBASE 853.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING
** Auto-Generated Plotfiles
PLOTFILE ANNUAL ALL "Segment 13, SB I-15 VIC.AD\AN00GALL.PLT" 31
SUMMFILE "Segment 13, SB I-15 VIC.sum"

OU FINISHED

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

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

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

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

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

ME W186 126 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 126 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 13, SB I-15
VIC\Segment 13, SB I-15 VIC *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 14:21:44

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 23 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 122265.0 ; Urban Roughness Length = 1.000 m

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

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

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates ANNUAL Averages Only

**This Run Includes: 23 Source(s); 1 Source Group(s); and 164 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 23 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 853.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 13, SB I-15 VIC.err

**File for Summary of Results: Segment 13, SB I-15 VIC.sum

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 VIC\Segment 13, SB I-15 VIC *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 14:21:44

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID		PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		SCALAR	VARY					
		CATS.	BY					
L0000001		0	0.10000E+01	468987.5	3815605.4	940.6	2.00	33.02
0.93	YES							
L0000002		0	0.10000E+01	469019.9	3815668.6	940.0	2.00	33.02
0.93	YES							
L0000003		0	0.10000E+01	469052.3	3815731.8	939.4	2.00	33.02
0.93	YES							
L0000004		0	0.10000E+01	469084.7	3815794.9	939.0	2.00	33.02
0.93	YES							
L0000005		0	0.10000E+01	469117.1	3815858.1	938.0	2.00	33.02
0.93	YES							
L0000006		0	0.10000E+01	469149.5	3815921.3	936.2	2.00	33.02
0.93	YES							
L0000007		0	0.10000E+01	469181.9	3815984.5	935.0	2.00	33.02
0.93	YES							
L0000008		0	0.10000E+01	469214.4	3816047.6	933.9	2.00	33.02
0.93	YES							
L0000009		0	0.10000E+01	469246.8	3816110.8	933.0	2.00	33.02
0.93	YES							
L0000010		0	0.10000E+01	469279.2	3816174.0	932.0	2.00	33.02
0.93	YES							
L0000011		0	0.10000E+01	469311.6	3816237.1	931.6	2.00	33.02
0.93	YES							
L0000012		0	0.10000E+01	469344.8	3816299.9	929.8	2.00	33.02
0.93	YES							
L0000013		0	0.10000E+01	469378.2	3816362.5	927.6	2.00	33.02
0.93	YES							
L0000014		0	0.10000E+01	469411.6	3816425.2	927.0	2.00	33.02
0.93	YES							
L0000015		0	0.10000E+01	469445.0	3816487.9	926.2	2.00	33.02

0.93	YES							
L0000016		0	0.10000E+01	469478.4	3816550.5	926.0	2.00	33.02
0.93	YES							
L0000017		0	0.10000E+01	469511.8	3816613.2	925.9	2.00	33.02
0.93	YES							
L0000018		0	0.10000E+01	469545.2	3816675.8	925.8	2.00	33.02
0.93	YES							
L0000019		0	0.10000E+01	469578.6	3816738.5	924.6	2.00	33.02
0.93	YES							
L0000020		0	0.10000E+01	469612.0	3816801.1	923.6	2.00	33.02
0.93	YES							
L0000021		0	0.10000E+01	469645.4	3816863.8	922.4	2.00	33.02
0.93	YES							
L0000022		0	0.10000E+01	469678.8	3816926.4	921.9	2.00	33.02
0.93	YES							
L0000023		0	0.10000E+01	469712.1	3816989.1	921.0	2.00	33.02

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006	, L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014	, L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022	, L0000023 ,

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs			
-----	-----	-----	-----	-----	-----
L0000005	122265.	L0000001	L0000002	L0000003	L0000004
L0000008		L0000006	L0000007		
L0000014		L0000009	L0000010	L0000011	L0000012
		L0000015	L0000016		L0000013
L0000022		L0000017	L0000018	L0000019	L0000020
		L0000023			L0000021

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

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^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 13, SB I-15
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*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

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^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 13, SB I-15
VIC\Segment 13, SB I-15 VIC *** 10/28/19
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
- - -			
-20.85	L0000001	468937.8	3815598.4
-25.84	L0000001	468997.1	3815561.3
-16.41	L0000007	469150.1	3816028.8
-3.98	L0000008	469150.1	3816028.8
-30.61	L0000008	469250.1	3816028.8
-52.74	L0000009	469250.1	3816128.8
-17.21	L0000010	469250.1	3816128.8
-8.95	L0000010	469250.1	3816228.8
-8.90	L0000011	469250.1	3816228.8
-31.62	L0000011	469350.1	3816228.8
0.33	L0000012	469350.1	3816228.8
-41.65	L0000012	469350.1	3816328.8
	L0000013	469350.1	3816328.8

-27.02			
	L0000013	469350.1	3816428.8
0.95			
	L0000014	469350.1	3816428.8
-9.35			
	L0000014	469450.1	3816428.8
-32.37			
	L0000015	469450.1	3816428.8
-11.67			
	L0000015	469450.1	3816528.8
-29.78			
	L0000016	469450.1	3816528.8
-35.28			
	L0000017	469450.1	3816628.8
-7.34			
	L0000017	469550.1	3816628.8
-29.66			
	L0000018	469550.1	3816628.8
-23.67			
	L0000018	469550.1	3816728.8
-17.84			
	L0000019	469550.1	3816728.8
-40.87			
	L0000020	469550.1	3816828.8
-3.21			
	L0000020	469650.1	3816828.8
-23.94			
	L0000021	469650.1	3816828.8
-35.64			
	L0000021	469650.1	3816928.8
-5.86			
	L0000022	469650.1	3816928.8
-42.21			
	L0000023	469750.1	3817028.8
-16.14			
	L0000023	469756.9	3817010.4
-21.48			
	L0000023	469701.3	3817040.0

-18.94
 ▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 13, SB I-15
 VIC\Segment 13, SB I-15 VIC *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 14:21:44

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

PROCESSING *** *** METEOROLOGICAL DAYS SELECTED FOR

(1=YES; 0=NO)

Year: 2011

Year: 2011

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	
1.00	1.80	69.	9.1	276.4	5.5									
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	
1.00	2.20	52.	9.1	275.4	5.5									
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	
1.00	1.80	32.	9.1	275.4	5.5									
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	
1.00	0.40	27.	9.1	274.2	5.5									
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	
1.00	1.80	51.	9.1	274.2	5.5									
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	
1.00	2.70	53.	9.1	274.2	5.5									
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	
1.00	2.20	70.	9.1	274.2	5.5									
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	
0.54	1.30	72.	9.1	275.4	5.5									
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	
0.32	2.20	67.	9.1	277.5	5.5									
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82	
0.25	1.80	83.	9.1	279.9	5.5									
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82	
0.22	2.20	58.	9.1	282.0	5.5									
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82	
0.21	2.20	115.	9.1	283.1	5.5									
11	01	01	1	13	132.6	0.214	1.733	0.009	1377.	243.	-6.5	0.25	2.82	
0.21	1.30	147.	9.1	284.2	5.5									
11	01	01	1	14	147.0	0.216	1.818	0.009	1431.	242.	-6.0	0.25	2.82	
0.23	1.30	219.	9.1	284.9	5.5									
11	01	01	1	15	104.0	0.208	1.633	0.009	1468.	228.	-7.6	0.25	2.82	
0.26	1.30	126.	9.1	285.4	5.5									
11	01	01	1	16	26.4	0.140	1.037	0.009	1477.	127.	-9.1	0.25	2.82	
0.35	0.90	151.	9.1	284.9	5.5									
11	01	01	1	17	-9.0	0.137	-9.000	-9.000	-999.	121.	24.9	0.25	2.82	
0.63	1.30	69.	9.1	283.1	5.5									
11	01	01	1	18	-33.4	0.342	-9.000	-9.000	-999.	481.	129.0	0.25	2.82	
1.00	3.10	81.	9.1	281.4	5.5									
11	01	01	1	19	-33.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.25	2.82	
1.00	3.10	51.	9.1	279.9	5.5									
11	01	01	1	20	-23.6	0.239	-9.000	-9.000	-999.	287.	63.1	0.25	2.82	
1.00	2.20	77.	9.1	278.8	5.5									
11	01	01	1	21	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	
1.00	1.80	53.	9.1	277.5	5.5									
11	01	01	1	22	-23.7	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	

```

1.00  2.20  58.   9.1  277.5   5.5
  11 01 01   1 23 -18.5  0.194 -9.000 -9.000 -999.  205.   41.2  0.25  2.82
1.00  1.80  64.   9.1  277.5   5.5
  11 01 01   1 24  -4.5  0.094 -9.000 -9.000 -999.   74.   16.3  0.25  2.82
1.00  0.90  52.   9.1  277.0   5.5

```

First hour of profile data

```

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

```

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

```

^ *** AERMOD - VERSION 18081 ***   *** C:\Lakes\AERMOD View\Segment 13, SB I-15
VIC\Segment 13, SB I-15 VIC ***   10/28/19
*** AERMET - VERSION 16216 ***   ***
***                               ***   14:21:44

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
          INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

```

          X-COORD (M)  Y-COORD (M)      CONC          X-COORD (M)
Y-COORD (M)      CONC
-----
          468950.06   3816028.75   151.39041   468950.06
3816128.75   126.77210
          468950.06   3816228.75   107.30858   468950.06
3816328.75   90.99456
          468950.06   3816428.75   78.07048   468950.06
3816528.75   66.45573
          468950.06   3816628.75   57.51064   468950.06
3816728.75   50.90417
          468950.06   3816828.75   44.12591   468950.06

```

3816928.75	40.05381			
	468950.06	3817028.75	34.99113	469050.06
3816028.75	249.58532			
	469050.06	3816128.75	190.94011	469050.06
3816228.75	153.70329			
	469050.06	3816328.75	125.84466	469050.06
3816428.75	103.11619			
	469050.06	3816528.75	85.96565	469050.06
3816628.75	74.00319			
	469050.06	3816728.75	64.20412	469050.06
3816828.75	55.56333			
	469050.06	3816928.75	47.88246	469050.06
3817028.75	40.96822			
	469150.06	3816028.75	280.98570	469150.06
3816128.75	356.66505			
	469150.06	3816228.75	248.82345	469150.06
3816328.75	188.75305			
	469150.06	3816428.75	148.15548	469150.06
3816528.75	119.37224			
	469150.06	3816628.75	100.38225	469150.06
3816728.75	82.84726			
	469150.06	3816828.75	69.27265	469150.06
3816928.75	58.36178			
	469150.06	3817028.75	48.68834	469250.06
3816028.75	507.39277			
	469250.06	3816128.75	357.74974	469250.06
3816228.75	281.38869			
	469250.06	3816328.75	351.12519	469250.06
3816428.75	238.10064			
	469250.06	3816528.75	179.49090	469250.06
3816628.75	140.38158			
	469250.06	3816728.75	111.55640	469250.06
3816828.75	89.80099			
	469250.06	3816928.75	72.39554	469250.06
3817028.75	59.82500			
	469350.06	3816028.75	338.09250	469350.06
3816128.75	511.65704			
	469350.06	3816228.75	372.75283	469350.06
3816328.75	328.74913			
	469350.06	3816428.75	268.22379	469350.06
3816528.75	322.71585			
	469350.06	3816628.75	221.86455	469350.06
3816728.75	163.68905			
	469350.06	3816828.75	124.56755	469350.06
3816928.75	96.30759			
	469350.06	3817028.75	74.74440	469450.06
3816028.75	202.12888			
	469450.06	3816128.75	258.19700	469450.06
3816228.75	342.30068			
	469450.06	3816328.75	522.25537	469450.06

3816428.75	344.05301			
	469450.06	3816528.75	313.18190	469450.06
3816628.75	360.65833			
	469450.06	3816728.75	293.11202	469450.06
3816828.75	194.52507			
	469450.06	3816928.75	136.89912	469450.06
3817028.75	97.46842			
	469550.06	3816028.75	139.56869	469550.06
3816128.75	169.10336			
	469550.06	3816228.75	205.85616	469550.06
3816328.75	259.16711			
	469550.06	3816628.75	323.90795	469550.06
3816728.75	295.23100			
	469550.06	3816828.75	306.83802	469550.06
3816928.75	239.59349			
	469550.06	3817028.75	140.87982	469650.06
3816028.75	104.16780			
	469650.06	3816128.75	122.39320	469650.06
3816228.75	143.74641			
	469650.06	3816328.75	170.62874	469650.06
3816828.75	284.16600			

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 13, SB I-15
 VIC\Segment 13, SB I-15 VIC *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 14:21:44

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----	-----	-----
469650.06	3816928.75	230.91267	469650.06

3817028.75	276.19668			
	469750.06	3816028.75	81.31918	469750.06
3816128.75	93.64829			
	469750.06	3816228.75	107.47141	469750.06
3816328.75	123.41929			
	469750.06	3817028.75	154.34348	469850.06
3816028.75	65.45426			
	469850.06	3816128.75	74.42137	469850.06
3816228.75	84.03484			
	469850.06	3816328.75	94.58554	469950.06
3816028.75	54.10996			
	469950.06	3816128.75	60.78207	469950.06
3816228.75	67.72191			
	469950.06	3816328.75	74.86867	468950.06
3817278.75	26.02691			
	468950.06	3817528.75	19.83247	469200.06
3817278.75	34.99061			
	469200.06	3817528.75	23.41111	469450.06
3817278.75	45.61549			
	469450.06	3817528.75	26.50258	469700.06
3817278.75	52.38837			
	469700.06	3817528.75	27.26267	469950.06
3817278.75	48.05375			
	469950.06	3817528.75	25.55318	470200.06
3817278.75	40.20532			
	470200.06	3817528.75	24.25913	470450.06
3817278.75	31.13566			
	470450.06	3817528.75	22.35869	470200.06
3817028.75	56.95854			
	470200.06	3816778.75	58.04941	470200.06
3816528.75	52.89375			
	470200.06	3816278.75	44.66495	470200.06
3816028.75	36.01162			
	470200.06	3815778.75	27.97020	470200.06
3815528.75	20.99368			
	470450.06	3817028.75	37.62330	470450.06
3816778.75	38.12912			
	470450.06	3816528.75	35.06833	470450.06
3816278.75	30.60377			
	470450.06	3816028.75	25.55697	470450.06
3815778.75	20.67413			
	470450.06	3815528.75	16.72467	469950.06
3815778.75	39.28286			
	469950.06	3815528.75	27.96428	469700.06
3815778.75	60.72377			
	469700.06	3815528.75	39.82771	469450.06
3815778.75	113.96573			
	469450.06	3815528.75	62.14460	469200.06
3815778.75	368.24164			
	469200.06	3815528.75	118.41284	468950.06

3815778.75	270.05980			
	468950.06	3815528.75	247.15714	468700.06
3815778.75	74.39039			
	468700.06	3815528.75	73.35862	468450.06
3815778.75	36.14389			
	468450.06	3815528.75	37.45253	468700.06
3816028.75	63.92462			
	468700.06	3816278.75	50.50356	468700.06
3816528.75	39.41551			
	468700.06	3816778.75	30.17472	468700.06
3817028.75	23.99302			
	468700.06	3817278.75	19.84162	468700.06
3817528.75	16.44645			
	468450.06	3816028.75	34.43949	468450.06
3816278.75	29.41106			
	468450.06	3816528.75	24.86532	468450.06
3816778.75	20.89584			
	468450.06	3817028.75	17.67594	468450.06
3817278.75	15.09162			
	468450.06	3817528.75	13.27442	469399.30
3816589.65	372.35538			
	469552.37	3816874.91	335.59436	469604.55
3816979.27	276.13555			
	469896.72	3816978.82	147.74932	469903.98
3816873.50	141.02164			
	469898.53	3816922.53	148.10113	470127.34
3816641.06	64.68819			
	470125.53	3816700.98	66.36850	470167.29
3816750.01	61.46275			

*** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 13, SB I-15
 VIC\Segment 13, SB I-15 VIC *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 14:21:44

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
468937.84	3815598.38	189.80376	468997.13
3815561.32	190.70968		
469756.86	3817010.36	180.90116	469701.27
3817040.01	145.97325		

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 13, SB I-15
 VIC\Segment 13, SB I-15 VIC *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 14:21:44

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	522.25537 AT (	469450.06, 3816328.75,
927.57,	927.57, 0.00) DC		
	2ND HIGHEST VALUE IS	511.65704 AT (	469350.06, 3816128.75,
933.00,	933.00, 0.00) DC		
	3RD HIGHEST VALUE IS	507.39277 AT (	469250.06, 3816028.75,
934.00,	934.00, 0.00) DC		
	4TH HIGHEST VALUE IS	372.75283 AT (	469350.06, 3816228.75,
931.24,	931.24, 0.00) DC		
	5TH HIGHEST VALUE IS	372.35538 AT (	469399.30, 3816589.65,
927.69,	927.69, 0.00) DC		
	6TH HIGHEST VALUE IS	368.24164 AT (	469200.06, 3815778.75,
938.30,	938.30, 0.00) DC		
	7TH HIGHEST VALUE IS	360.65833 AT (	469450.06, 3816628.75,
927.00,	927.00, 0.00) DC		
	8TH HIGHEST VALUE IS	357.74974 AT (	469250.06, 3816128.75,
933.00,	933.00, 0.00) DC		
	9TH HIGHEST VALUE IS	356.66505 AT (	469150.06, 3816128.75,

932.00, 932.00, 0.00) DC
10TH HIGHEST VALUE IS 351.12519 AT (469250.06, 3816328.75,
931.66, 931.66, 0.00) DC

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

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 13, SB I-15
VIC\Segment 13, SB I-15 VIC *** 10/28/19

*** AERMET - VERSION 16216 *** ***
*** 14:21:44

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 7 Warning Message(s)
A Total of 838 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 40 Calm Hours Identified

A Total of 798 Missing Hours Identified (1.82 Percent)

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

***** WARNING MESSAGES *****
ME W186 126 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 126 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W438 8800 METQA: Convective Velocity Data Out-of-Range. KURDAT =
12010216
MX W438 11536 METQA: Convective Velocity Data Out-of-Range. KURDAT =
12042516
MX W420 16779 METQA: Wind Speed Out-of-Range. KURDAT =
12113003
MX W450 26305 CHKDAT: Record Out of Sequence in Meteorological File at:
15010101
MX W450 26305 CHKDAT: Record Out of Sequence in Meteorological File at:

1 year gap

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*****  
*** AERMOD Finishes Successfully ***  
*****
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**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 14, SB SR-60\Segment 14, SB SR-60.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 14, SB SR-60\Segment 14, SB SR-60.isc
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 173212
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 14, SB SR-60.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 60.00
** Configuration = Adjacent
** Emission Rate = 28.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 3
** 448027.240, 3765102.400, 247.48, 2.00, 27.91
** 446870.310, 3765519.480, 252.94, 2.00, 27.91
** 446468.470, 3765643.830, 251.74, 2.00, 27.91
** -----

```

LOCATION	L0000001	VOLUME	447999.018	3765112.574	247.63
LOCATION	L0000002	VOLUME	447942.574	3765132.923	248.07
LOCATION	L0000003	VOLUME	447886.130	3765153.271	248.28
LOCATION	L0000004	VOLUME	447829.686	3765173.620	248.49
LOCATION	L0000005	VOLUME	447773.241	3765193.968	248.69
LOCATION	L0000006	VOLUME	447716.797	3765214.316	249.13
LOCATION	L0000007	VOLUME	447660.353	3765234.665	249.41
LOCATION	L0000008	VOLUME	447603.909	3765255.013	249.67
LOCATION	L0000009	VOLUME	447547.465	3765275.362	250.14
LOCATION	L0000010	VOLUME	447491.021	3765295.710	250.64
LOCATION	L0000011	VOLUME	447434.577	3765316.059	250.54
LOCATION	L0000012	VOLUME	447378.132	3765336.407	250.16
LOCATION	L0000013	VOLUME	447321.688	3765356.756	250.04
LOCATION	L0000014	VOLUME	447265.244	3765377.104	250.40
LOCATION	L0000015	VOLUME	447208.800	3765397.452	251.19
LOCATION	L0000016	VOLUME	447152.356	3765417.801	252.37
LOCATION	L0000017	VOLUME	447095.912	3765438.149	251.91
LOCATION	L0000018	VOLUME	447039.468	3765458.498	251.29
LOCATION	L0000019	VOLUME	446983.023	3765478.846	253.27
LOCATION	L0000020	VOLUME	446926.579	3765499.195	252.99
LOCATION	L0000021	VOLUME	446870.132	3765519.535	252.85
LOCATION	L0000022	VOLUME	446812.814	3765537.272	253.18
LOCATION	L0000023	VOLUME	446755.496	3765555.009	252.84
LOCATION	L0000024	VOLUME	446698.177	3765572.747	252.06
LOCATION	L0000025	VOLUME	446640.859	3765590.484	250.76
LOCATION	L0000026	VOLUME	446583.541	3765608.221	250.69
LOCATION	L0000027	VOLUME	446526.222	3765625.958	251.07
LOCATION	L0000028	VOLUME	446468.904	3765643.696	251.71

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0000001	1.0	2.00	27.91	0.93
SRCPARAM	L0000002	1.0	2.00	27.91	0.93
SRCPARAM	L0000003	1.0	2.00	27.91	0.93
SRCPARAM	L0000004	1.0	2.00	27.91	0.93
SRCPARAM	L0000005	1.0	2.00	27.91	0.93
SRCPARAM	L0000006	1.0	2.00	27.91	0.93
SRCPARAM	L0000007	1.0	2.00	27.91	0.93
SRCPARAM	L0000008	1.0	2.00	27.91	0.93
SRCPARAM	L0000009	1.0	2.00	27.91	0.93
SRCPARAM	L0000010	1.0	2.00	27.91	0.93
SRCPARAM	L0000011	1.0	2.00	27.91	0.93
SRCPARAM	L0000012	1.0	2.00	27.91	0.93
SRCPARAM	L0000013	1.0	2.00	27.91	0.93
SRCPARAM	L0000014	1.0	2.00	27.91	0.93
SRCPARAM	L0000015	1.0	2.00	27.91	0.93
SRCPARAM	L0000016	1.0	2.00	27.91	0.93
SRCPARAM	L0000017	1.0	2.00	27.91	0.93
SRCPARAM	L0000018	1.0	2.00	27.91	0.93
SRCPARAM	L0000019	1.0	2.00	27.91	0.93

SRCPARAM L000020	1.0	2.00	27.91	0.93
SRCPARAM L000021	1.0	2.00	27.91	0.93
SRCPARAM L000022	1.0	2.00	27.91	0.93
SRCPARAM L000023	1.0	2.00	27.91	0.93
SRCPARAM L000024	1.0	2.00	27.91	0.93
SRCPARAM L000025	1.0	2.00	27.91	0.93
SRCPARAM L000026	1.0	2.00	27.91	0.93
SRCPARAM L000027	1.0	2.00	27.91	0.93
SRCPARAM L000028	1.0	2.00	27.91	0.93

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 14, SB SR-60.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "C:\Users\kheck\Desktop\MET Data\UplandsADJU\UPLA_V9_ADJU\UPLA_v9.SFC"

PROFFILE "C:\Users\kheck\Desktop\MET Data\UplandsADJU\UPLA_V9_ADJU\UPLA_v9.PFL"

SURFDATA 3102 2012

UAIRDATA 3190 2012

SITEDATA 99999 2012

PROFBASE 379.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "Segment 14, SB SR-60.AD\AN00GALL.PLT" 31

SUMMFILE "Segment 14, SB SR-60.sum"

OU FINISHED

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

3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

****Other Options Specified:**

ADJ_U* - Use ADJ_U* option for SBL in AERMET
 TEMP_Sub - Meteorological data includes TEMP substitutions

****Model Assumes No FLAGPOLE Receptor Heights.**

****The User Specified a Pollutant Type of: PM_10**

****Model Calculates ANNUAL Averages Only**

****This Run Includes: 28 Source(s); 1 Source Group(s); and 173 Receptor(s)**

with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 28 VOLUME source(s)
 and: 0 AREA type source(s)
 and: 0 LINE source(s)
 and: 0 OPENPIT source(s)
 and: 0 BUOYANT LINE source(s) with 0 line(s)

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

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

****Output Options Selected:**

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

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

****Misc. Inputs:** Base Elev. for Pot. Temp. Profile (m MSL) = 379.00 ; Decay
 Coef. = 0.000 ; Rot. Angle = 0.0
 Emission Units = GRAMS/SEC ;
 Emission Rate Unit Factor = 0.10000E+07
 Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 14, SB SR-60.err

**File for Summary of Results: Segment 14, SB SR-60.sum

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 14, SB SR-60\Segment 14, SB SR-60.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 11:05:33

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0000001		0	0.10000E+01	447999.0	3765112.6	247.6	2.00	27.91
0.93	YES							
L0000002		0	0.10000E+01	447942.6	3765132.9	248.1	2.00	27.91
0.93	YES							
L0000003		0	0.10000E+01	447886.1	3765153.3	248.3	2.00	27.91
0.93	YES							
L0000004		0	0.10000E+01	447829.7	3765173.6	248.5	2.00	27.91
0.93	YES							
L0000005		0	0.10000E+01	447773.2	3765194.0	248.7	2.00	27.91
0.93	YES							
L0000006		0	0.10000E+01	447716.8	3765214.3	249.1	2.00	27.91
0.93	YES							
L0000007		0	0.10000E+01	447660.4	3765234.7	249.4	2.00	27.91
0.93	YES							
L0000008		0	0.10000E+01	447603.9	3765255.0	249.7	2.00	27.91
0.93	YES							
L0000009		0	0.10000E+01	447547.5	3765275.4	250.1	2.00	27.91
0.93	YES							
L0000010		0	0.10000E+01	447491.0	3765295.7	250.6	2.00	27.91

0.93	YES							
L0000011		0	0.10000E+01	447434.6	3765316.1	250.5	2.00	27.91
0.93	YES							
L0000012		0	0.10000E+01	447378.1	3765336.4	250.2	2.00	27.91
0.93	YES							
L0000013		0	0.10000E+01	447321.7	3765356.8	250.0	2.00	27.91
0.93	YES							
L0000014		0	0.10000E+01	447265.2	3765377.1	250.4	2.00	27.91
0.93	YES							
L0000015		0	0.10000E+01	447208.8	3765397.5	251.2	2.00	27.91
0.93	YES							
L0000016		0	0.10000E+01	447152.4	3765417.8	252.4	2.00	27.91
0.93	YES							
L0000017		0	0.10000E+01	447095.9	3765438.1	251.9	2.00	27.91
0.93	YES							
L0000018		0	0.10000E+01	447039.5	3765458.5	251.3	2.00	27.91
0.93	YES							
L0000019		0	0.10000E+01	446983.0	3765478.8	253.3	2.00	27.91
0.93	YES							
L0000020		0	0.10000E+01	446926.6	3765499.2	253.0	2.00	27.91
0.93	YES							
L0000021		0	0.10000E+01	446870.1	3765519.5	252.9	2.00	27.91
0.93	YES							
L0000022		0	0.10000E+01	446812.8	3765537.3	253.2	2.00	27.91
0.93	YES							
L0000023		0	0.10000E+01	446755.5	3765555.0	252.8	2.00	27.91
0.93	YES							
L0000024		0	0.10000E+01	446698.2	3765572.7	252.1	2.00	27.91
0.93	YES							
L0000025		0	0.10000E+01	446640.9	3765590.5	250.8	2.00	27.91
0.93	YES							
L0000026		0	0.10000E+01	446583.5	3765608.2	250.7	2.00	27.91
0.93	YES							
L0000027		0	0.10000E+01	446526.2	3765626.0	251.1	2.00	27.91
0.93	YES							
L0000028		0	0.10000E+01	446468.9	3765643.7	251.7	2.00	27.91

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 14, SB
 SR-60\Segment 14, SB SR-60.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

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-----
ALL      L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 ,
L0000014 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000022 , L0000015 , L0000016 ,
L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 ,

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L0000025 , L0000026 , L0000027 , L0000028 ,
^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 14, SB
SR-60\Segment 14, SB SR-60.isc *** 10/28/19
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0000005	173212.	L0000001 , L0000002 , L0000003 , L0000004 ,
L0000008	, L0000006	, L0000007 ,
L0000014	, L0000009	, L0000010 , L0000011 , L0000012 , L0000013 ,
L0000022	, L0000015	, L0000016 ,
L0000022	, L0000017	, L0000018 , L0000019 , L0000020 , L0000021 ,
	, L0000023	, L0000024 ,

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L0000025 , L0000026 , L0000027 , L0000028 ,
^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 14, SB
SR-60\Segment 14, SB SR-60.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

(METERS)

(446737.0, 3764888.0, 244.4, 244.4, 0.0); (446737.0, 3764988.0, 245.4, 245.4, 0.0);
(446737.0, 3765088.0, 246.1, 246.1, 0.0); (446737.0, 3765188.0, 246.9, 246.9, 0.0);
(446737.0, 3765288.0, 248.7, 248.7, 0.0); (446737.0, 3765388.0, 250.1, 250.1, 0.0);
(446737.0, 3765588.0, 253.0, 253.0, 0.0); (446737.0, 3765688.0, 252.7, 252.7, 0.0);
(446737.0, 3765788.0, 253.0, 253.0, 0.0); (446737.0, 3765888.0, 254.2, 254.2, 0.0);
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( 447537.0, 3765088.0, 248.2, 248.2, 0.0); ( 447537.0,
3765188.0, 249.2, 249.2, 0.0);
( 447537.0, 3765288.0, 250.4, 250.4, 0.0); ( 447537.0,
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3765588.0, 256.8, 256.8, 0.0);
( 447537.0, 3765688.0, 258.5, 258.5, 0.0); ( 447537.0,
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^ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 14, SB
SR-60\Segment 14, SB SR-60.isc *** 10/28/19
*** AERMET - VERSION 16216 ***
*** 11:05:33

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

(447537.0, 3765888.0, 255.9, 255.9, 0.0); (447637.0,
3764888.0, 246.1, 246.1, 0.0);
(447637.0, 3764988.0, 246.9, 246.9, 0.0); (447637.0,
3765088.0, 247.9, 247.9, 0.0);
(447637.0, 3765188.0, 248.9, 248.9, 0.0); (447637.0,
3765288.0, 250.0, 250.0, 0.0);
(447637.0, 3765388.0, 252.6, 252.6, 0.0); (447637.0,
3765488.0, 253.2, 253.2, 0.0);
(447637.0, 3765588.0, 254.6, 254.6, 0.0); (447637.0,
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3765888.0, 256.6, 256.6, 0.0);
(447737.0, 3764888.0, 245.9, 245.9, 0.0); (447737.0,
3764988.0, 246.6, 246.6, 0.0);
(447737.0, 3765088.0, 247.6, 247.6, 0.0); (447737.0,
3765188.0, 248.7, 248.7, 0.0);
(447737.0, 3765288.0, 249.7, 249.7, 0.0); (447737.0,
3765388.0, 254.7, 254.7, 0.0);
(447737.0, 3765488.0, 253.9, 253.9, 0.0); (447737.0,
3765588.0, 253.0, 253.0, 0.0);
(447737.0, 3765688.0, 254.4, 254.4, 0.0); (447737.0,
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(447737.0, 3765888.0, 256.7, 256.7, 0.0); (447737.0,
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(447737.0, 3766388.0, 259.0, 259.0, 0.0); (447737.0,
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(447737.0, 3766388.0, 260.1, 260.1, 0.0); (447737.0,
3766138.0, 257.6, 257.6, 0.0);
(447237.0, 3766388.0, 260.2, 260.2, 0.0); (447237.0,
3766138.0, 257.7, 257.7, 0.0);
(447487.0, 3766388.0, 260.1, 260.1, 0.0); (447487.0,
3766138.0, 259.0, 259.0, 0.0);
(447737.0, 3766388.0, 262.2, 262.2, 0.0); (447737.0,
3766138.0, 260.7, 260.7, 0.0);
(447987.0, 3766388.0, 262.2, 262.2, 0.0); (447987.0,
3766138.0, 260.0, 260.0, 0.0);
(448237.0, 3766388.0, 263.0, 263.0, 0.0); (448237.0,
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(447987.0, 3765638.0, 253.5, 253.5, 0.0); (447987.0,
3765388.0, 250.4, 250.4, 0.0);
(447987.0, 3765138.0, 248.1, 248.1, 0.0); (447987.0,
3764888.0, 245.9, 245.9, 0.0);
(447987.0, 3764638.0, 244.2, 244.2, 0.0); (447987.0,
3764388.0, 243.8, 243.8, 0.0);
(448237.0, 3765888.0, 256.1, 256.1, 0.0); (448237.0,
3765638.0, 252.9, 252.9, 0.0);

(448237.0, 3765388.0, 250.5, 250.5, 0.0); (448237.0,
3765138.0, 248.7, 248.7, 0.0);
(448237.0, 3764888.0, 246.5, 246.5, 0.0); (448237.0,
3764638.0, 244.4, 244.4, 0.0);
(448237.0, 3764388.0, 242.3, 242.3, 0.0); (447737.0,
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(447737.0, 3764388.0, 243.4, 243.4, 0.0); (447487.0,
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(447487.0, 3764388.0, 243.5, 243.5, 0.0); (447237.0,
3764638.0, 244.1, 244.1, 0.0);
(447237.0, 3764388.0, 242.6, 242.6, 0.0); (446987.0,
3764638.0, 243.7, 243.7, 0.0);
(446987.0, 3764388.0, 240.8, 240.8, 0.0); (446737.0,
3764638.0, 242.1, 242.1, 0.0);
(446737.0, 3764388.0, 241.1, 241.1, 0.0); (446487.0,
3764638.0, 240.9, 240.9, 0.0);
(446487.0, 3764388.0, 240.1, 240.1, 0.0); (446237.0,
3764638.0, 243.3, 243.3, 0.0);
(446237.0, 3764388.0, 240.2, 240.2, 0.0); (446487.0,
3764888.0, 243.8, 243.8, 0.0);
(446487.0, 3765138.0, 247.5, 247.5, 0.0); (446487.0,
3765388.0, 250.1, 250.1, 0.0);
(446487.0, 3765638.0, 251.5, 251.5, 0.0); (446487.0,
3765888.0, 253.0, 253.0, 0.0);
(446487.0, 3766138.0, 254.5, 254.5, 0.0); (446487.0,
3766388.0, 257.9, 257.9, 0.0);
(446237.0, 3764888.0, 245.3, 245.3, 0.0); (446237.0,
3765138.0, 246.4, 246.4, 0.0);
(446237.0, 3765388.0, 248.9, 248.9, 0.0); (446237.0,
3765638.0, 250.6, 250.6, 0.0);
(446237.0, 3765888.0, 251.9, 251.9, 0.0); (446237.0,
3766138.0, 253.8, 253.8, 0.0);
(446237.0, 3766388.0, 255.5, 255.5, 0.0); (446437.5,
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(448026.7, 3765145.7, 247.9, 247.9, 0.0); (447990.9,
3765086.1, 247.4, 247.4, 0.0);
(446417.6, 3765622.4, 251.3, 251.3, 0.0);

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SR-60\Segment 14, SB SR-60.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 11:05:33

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
- - -			
-31.88	L0000001	447987.0	3765138.0
-16.84	L0000001	448026.7	3765145.7
-32.33	L0000001	447990.9	3765086.1
-15.29	L0000002	447987.0	3765138.0
-23.28	L0000005	447737.0	3765188.0
-26.83	L0000006	447737.0	3765188.0
-7.82	L0000007	447637.0	3765188.0
-1.78	L0000007	447637.0	3765288.0
-13.28	L0000008	447637.0	3765288.0
-43.60	L0000009	447537.0	3765288.0
-5.44	L0000010	447437.0	3765288.0
-13.39	L0000010	447537.0	3765288.0
-31.84	L0000011	447437.0	3765288.0
-25.21	L0000013	447337.0	3765388.0
-29.73	L0000014	447237.0	3765388.0
-30.26	L0000015	447237.0	3765388.0
-30.40	L0000018	447037.0	3765488.0
-13.08	L0000019	446937.0	3765488.0
-5.26	L0000019	447037.0	3765488.0
-44.71	L0000020	446937.0	3765488.0
	L0000021	446837.0	3765488.0

*** 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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 SR-60\Segment 14, SB SR-60.isc *** 10/28/19
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 *** 11:05:33

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Surface file: C:\Users\kheck\Desktop\MET
 Data\UplandsADJU\UPLA_V9_ADJU\UPLA_v9.SFC Met Version: 16216
 Profile file: C:\Users\kheck\Desktop\MET
 Data\UplandsADJU\UPLA_V9_ADJU\UPLA_v9.PFL
 Surface format: FREE

Profile format: FREE

Surface station no.: 3102 Upper air station no.: 3190
 Name: UNKNOWN Name: UNKNOWN
 Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-21.0	0.218	-9.000	-9.000	-999.	245.	52.4	0.34	1.15	
1.00	1.80	351.			9.1	284.2	5.5							
12	01	01	1	02	-21.0	0.218	-9.000	-9.000	-999.	245.	52.4	0.34	1.15	
1.00	1.80	347.			9.1	284.2	5.5							
12	01	01	1	03	-25.9	0.270	-9.000	-9.000	-999.	336.	79.9	0.34	1.15	
1.00	2.20	340.			9.1	284.2	5.5							
12	01	01	1	04	-20.9	0.218	-9.000	-9.000	-999.	246.	52.4	0.34	1.15	
1.00	1.80	337.			9.1	285.4	5.5							
12	01	01	1	05	-5.4	0.105	-9.000	-9.000	-999.	89.	18.5	0.34	1.15	
1.00	0.90	344.			9.1	284.9	5.5							
12	01	01	1	06	-11.5	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	1.15	
1.00	1.30	17.			9.1	283.1	5.5							
12	01	01	1	07	-11.5	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	1.15	
1.00	1.30	326.			9.1	282.0	5.5							
12	01	01	1	08	-10.1	0.156	-9.000	-9.000	-999.	147.	32.6	0.34	1.15	

0.53	1.30	337.	9.1	284.9	5.5								
12	01	01	1	09	42.1	0.096	0.369	0.015	42.	72.	-1.8	0.34	1.15
0.31	0.40	347.	9.1	291.4	5.5								
12	01	01	1	10	102.2	0.280	0.715	0.005	125.	356.	-18.8	0.34	1.15
0.24	1.80	320.	9.1	296.4	5.5								
12	01	01	1	11	143.5	0.233	1.110	0.005	333.	271.	-7.7	0.34	1.15
0.21	1.30	185.	9.1	297.5	5.5								
12	01	01	1	12	162.2	0.188	1.407	0.005	600.	196.	-3.6	0.34	1.15
0.20	0.90	199.	9.1	298.1	5.5								
12	01	01	1	13	158.3	0.187	1.641	0.005	974.	195.	-3.6	0.34	1.15
0.20	0.90	152.	9.1	299.9	5.5								
12	01	01	1	14	131.9	0.288	1.687	0.005	1270.	370.	-15.7	0.34	1.15
0.22	1.80	107.	9.1	301.4	5.5								
12	01	01	1	15	84.3	0.106	1.511	0.005	1427.	119.	-1.2	0.34	1.15
0.25	0.40	107.	9.1	302.0	5.5								
12	01	01	1	16	32.1	0.154	1.105	0.005	1463.	146.	-10.0	0.34	1.15
0.34	0.90	124.	9.1	302.0	5.5								
12	01	01	1	17	-10.6	0.155	-9.000	-9.000	-999.	146.	30.5	0.34	1.15
0.62	1.30	138.	9.1	299.9	5.5								
12	01	01	1	18	-20.4	0.219	-9.000	-9.000	-999.	245.	52.5	0.34	1.15
1.00	1.80	353.	9.1	293.1	5.5								
12	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.34	1.15
1.00	999.00	999.	9.1	291.2	5.5								
12	01	01	1	20	-5.4	0.105	-9.000	-9.000	-999.	81.	18.6	0.34	1.15
1.00	0.90	308.	9.1	289.2	5.5								
12	01	01	1	21	-11.4	0.154	-9.000	-9.000	-999.	145.	27.9	0.34	1.15
1.00	1.30	339.	9.1	287.0	5.5								
12	01	01	1	22	-11.5	0.154	-9.000	-9.000	-999.	145.	27.8	0.34	1.15
1.00	1.30	339.	9.1	286.4	5.5								
12	01	01	1	23	-5.4	0.105	-9.000	-9.000	-999.	81.	18.5	0.34	1.15
1.00	0.90	336.	9.1	285.4	5.5								
12	01	01	1	24	-11.5	0.154	-9.000	-9.000	-999.	145.	27.7	0.34	1.15
1.00	1.30	338.	9.1	284.9	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	5.5	0	-999.	-99.00	284.3	99.0	-99.00	-99.00
12	01	01	01	9.1	1	351.	1.80	-999.0	99.0	-99.00	-99.00

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

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 *** 11:05:33

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5

YEARS FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
446737.00	3764888.00	61.80049	446737.00
3764988.00	74.55186		
446737.00	3765088.00	92.33834	446737.00
3765188.00	119.02524		
446737.00	3765288.00	164.16402	446737.00
3765388.00	256.51652		
446737.00	3765588.00	409.62536	446737.00
3765688.00	365.97571		
446737.00	3765788.00	191.07693	446737.00
3765888.00	120.68643		
446837.00	3764888.00	67.63607	446837.00
3764988.00	82.55098		
446837.00	3765088.00	103.72678	446837.00
3765488.00	385.37500		
446837.00	3765588.00	537.14985	446837.00
3765688.00	308.48810		
446837.00	3765788.00	178.90625	446837.00
3765888.00	114.54541		
446937.00	3764888.00	73.66448	446937.00
3764988.00	90.99980		
446937.00	3765088.00	116.05774	446937.00
3765188.00	155.61554		
446937.00	3765488.00	464.69532	446937.00
3765588.00	536.44860		
446937.00	3765688.00	264.23072	446937.00
3765788.00	164.93618		
446937.00	3765888.00	111.49423	447037.00
3764888.00	79.81526		
447037.00	3764988.00	99.98057	447037.00
3765088.00	129.75492		

447037.00	3765188.00	178.99047	447037.00
3765288.00	278.00200		
447037.00	3765488.00	446.83711	447037.00
3765588.00	403.98969		
447037.00	3765688.00	229.44978	447037.00
3765788.00	151.99256		
447037.00	3765888.00	106.20999	447137.00
3764888.00	86.13207		
447137.00	3764988.00	109.45952	447137.00
3765088.00	145.25516		
447137.00	3765188.00	207.31376	447137.00
3765288.00	346.74740		
447137.00	3765488.00	747.92990	447137.00
3765588.00	324.85384		
447137.00	3765688.00	201.82659	447137.00
3765788.00	139.64017		
447137.00	3765888.00	100.00283	447237.00
3764888.00	92.60048		
447237.00	3764988.00	119.71514	447237.00
3765088.00	162.76719		
447237.00	3765188.00	243.04370	447237.00
3765288.00	459.64849		
447237.00	3765388.00	446.54892	447237.00
3765488.00	510.92160		
447237.00	3765588.00	271.57417	447237.00
3765688.00	179.42814		
447237.00	3765788.00	128.21191	447237.00
3765888.00	94.58446		
447337.00	3764888.00	99.01991	447337.00
3764988.00	130.55176		
447337.00	3765088.00	183.58427	447337.00
3765188.00	291.77550		
447337.00	3765288.00	688.62484	447337.00
3765388.00	652.79921		
447337.00	3765488.00	389.50053	447337.00
3765588.00	232.69853		
447337.00	3765688.00	160.12110	447337.00
3765788.00	117.34606		
447337.00	3765888.00	88.06743	447437.00
3764888.00	105.56403		
447437.00	3764988.00	142.85394	447437.00
3765088.00	209.34237		
447437.00	3765188.00	364.03379	447437.00
3765288.00	443.78019		
447437.00	3765388.00	679.94285	447437.00
3765488.00	311.91114		
447437.00	3765588.00	191.00833	447437.00
3765688.00	136.21072		
447437.00	3765788.00	104.82339	447437.00
3765888.00	81.62859		

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 SR-60\Segment 14, SB SR-60.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:05:33

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
447537.00	3764888.00	112.03405	447537.00
3764988.00	156.62541		
447537.00	3765088.00	242.46663	447537.00
3765188.00	487.98136		
447537.00	3765288.00	453.81559	447537.00
3765388.00	473.04073		
447537.00	3765488.00	252.23705	447537.00
3765588.00	160.18896		
447537.00	3765688.00	118.05179	447537.00
3765788.00	93.10642		
447537.00	3765888.00	74.52997	447637.00
3764888.00	118.05003		
447637.00	3764988.00	172.10741	447637.00
3765088.00	288.50949		
447637.00	3765188.00	511.80371	447637.00
3765288.00	418.64233		
447637.00	3765388.00	359.16052	447637.00
3765488.00	217.71416		
447637.00	3765588.00	148.21058	447637.00
3765688.00	109.26072		
447637.00	3765788.00	84.48349	447637.00

3765888.00	67.54366		
447737.00	3764888.00	122.61876	447737.00
3764988.00	189.08277		
447737.00	3765088.00	358.05879	447737.00
3765188.00	402.93578		
447737.00	3765288.00	597.15023	447737.00
3765388.00	264.17712		
447737.00	3765488.00	179.48960	447737.00
3765588.00	134.87279		
447737.00	3765688.00	100.85773	447737.00
3765788.00	76.93348		
447737.00	3765888.00	62.18850	446737.00
3766138.00	57.99837		
446737.00	3766388.00	27.38568	446987.00
3766138.00	51.15960		
446987.00	3766388.00	26.50391	447237.00
3766138.00	49.10639		
447237.00	3766388.00	26.13796	447487.00
3766138.00	44.31260		
447487.00	3766388.00	25.27200	447737.00
3766138.00	37.39538		
447737.00	3766388.00	21.97115	447987.00
3766138.00	31.79300		
447987.00	3766388.00	20.71470	448237.00
3766138.00	28.73786		
448237.00	3766388.00	19.05002	447987.00
3765888.00	50.85318		
447987.00	3765638.00	82.83729	447987.00
3765388.00	160.58196		
447987.00	3765138.00	229.15793	447987.00
3764888.00	110.60812		
447987.00	3764638.00	53.03335	447987.00
3764388.00	34.15724		
448237.00	3765888.00	40.75517	448237.00
3765638.00	59.18181		
448237.00	3765388.00	86.02707	448237.00
3765138.00	103.27240		
448237.00	3764888.00	61.64467	448237.00
3764638.00	39.89174		
448237.00	3764388.00	28.37133	447737.00
3764638.00	60.08985		
447737.00	3764388.00	37.73061	447487.00
3764638.00	59.83202		
447487.00	3764388.00	38.57555	447237.00
3764638.00	55.38360		
447237.00	3764388.00	37.10035	446987.00
3764638.00	49.01321		
446987.00	3764388.00	34.05427	446737.00
3764638.00	41.71141		
446737.00	3764388.00	30.21340	446487.00

3764638.00	34.38046			
	446487.00	3764388.00	26.02014	446237.00
3764638.00	27.90305			
	446237.00	3764388.00	22.05569	446487.00
3764888.00	47.88770			
	446487.00	3765138.00	73.13533	446487.00
3765388.00	141.53318			
	446487.00	3765638.00	195.58936	446487.00
3765888.00	103.79215			

^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 14, SB
 SR-60\Segment 14, SB SR-60.isc *** 10/28/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:05:33

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 , ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 , ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 , ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----	-----	-----
446487.00	3766138.00	50.64642	446487.00
3766388.00	26.99127		
446237.00	3764888.00	36.22112	446237.00
3765138.00	48.70440		
446237.00	3765388.00	68.37603	446237.00
3765638.00	84.65132		
446237.00	3765888.00	60.02644	446237.00
3766138.00	38.92679		
446237.00	3766388.00	26.78816	446437.51
3765682.05	189.51806		
448026.69	3765145.70	297.34394	447990.94
3765086.10	348.15877		

446417.64 3765622.45 183.49472

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 14, SB
SR-60\Segment 14, SB SR-60.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
 *** 11:05:33

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

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

ALL	1ST HIGHEST VALUE IS	747.92990 AT (	447137.00, 3765488.00,
252.47,	252.47, 0.00) DC		
	2ND HIGHEST VALUE IS	688.62484 AT (	447337.00, 3765288.00,
249.63,	249.63, 0.00) DC		
	3RD HIGHEST VALUE IS	679.94285 AT (	447437.00, 3765388.00,
251.99,	251.99, 0.00) DC		
	4TH HIGHEST VALUE IS	652.79921 AT (	447337.00, 3765388.00,
250.48,	250.48, 0.00) DC		
	5TH HIGHEST VALUE IS	597.15023 AT (	447737.00, 3765288.00,
249.68,	249.68, 0.00) DC		
	6TH HIGHEST VALUE IS	537.14985 AT (	446837.00, 3765588.00,
253.29,	253.29, 0.00) DC		
	7TH HIGHEST VALUE IS	536.44860 AT (	446937.00, 3765588.00,
253.47,	253.47, 0.00) DC		
	8TH HIGHEST VALUE IS	511.80371 AT (	447637.00, 3765188.00,
248.94,	248.94, 0.00) DC		
	9TH HIGHEST VALUE IS	510.92160 AT (	447237.00, 3765488.00,
252.45,	252.45, 0.00) DC		
	10TH HIGHEST VALUE IS	487.98136 AT (	447537.00, 3765188.00,
249.24,	249.24, 0.00) DC		

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

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 14, SB
SR-60\Segment 14, SB SR-60.isc *** 10/28/19
*** AERMET - VERSION 16216 *** ***
*** 11:05:33

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 956 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 49 Calm Hours Identified

A Total of 907 Missing Hours Identified (2.07 Percent)

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

***** WARNING MESSAGES *****
ME W186 136 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 136 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 15, VEN US-101 SB\Segment 15, VEN US-101
SB.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 15, VEN US-101 SB\Segment 15, VEN US-10
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 109067
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 15, VEN US-101 SB.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 46.00
** Configuration = Adjacent
** Emission Rate = 34.0
** Vertical Dimension = 2.00
** SZINIT = 0.93
** Nodes = 2
** 295972.840, 3792685.400, 43.48, 2.00, 21.40
** 294592.550, 3793463.500, 42.87, 2.00, 21.40
** -----

```

LOCATION	L0000001	VOLUME	295952.804	3792696.695	44.00
LOCATION	L0000002	VOLUME	295912.733	3792719.284	44.00
LOCATION	L0000003	VOLUME	295872.661	3792741.873	44.14
LOCATION	L0000004	VOLUME	295832.590	3792764.462	44.00
LOCATION	L0000005	VOLUME	295792.518	3792787.051	44.65
LOCATION	L0000006	VOLUME	295752.447	3792809.641	44.49
LOCATION	L0000007	VOLUME	295712.375	3792832.230	45.00
LOCATION	L0000008	VOLUME	295672.304	3792854.819	45.00
LOCATION	L0000009	VOLUME	295632.232	3792877.408	45.85
LOCATION	L0000010	VOLUME	295592.160	3792899.997	45.89
LOCATION	L0000011	VOLUME	295552.089	3792922.587	46.00
LOCATION	L0000012	VOLUME	295512.017	3792945.176	45.93
LOCATION	L0000013	VOLUME	295471.946	3792967.765	46.00
LOCATION	L0000014	VOLUME	295431.874	3792990.354	46.00
LOCATION	L0000015	VOLUME	295391.803	3793012.944	46.00
LOCATION	L0000016	VOLUME	295351.731	3793035.533	45.99
LOCATION	L0000017	VOLUME	295311.660	3793058.122	46.00
LOCATION	L0000018	VOLUME	295271.588	3793080.711	46.00
LOCATION	L0000019	VOLUME	295231.517	3793103.300	46.00
LOCATION	L0000020	VOLUME	295191.445	3793125.890	46.00
LOCATION	L0000021	VOLUME	295151.374	3793148.479	46.00
LOCATION	L0000022	VOLUME	295111.302	3793171.068	46.00
LOCATION	L0000023	VOLUME	295071.231	3793193.657	46.00
LOCATION	L0000024	VOLUME	295031.159	3793216.246	45.96
LOCATION	L0000025	VOLUME	294991.087	3793238.836	45.55
LOCATION	L0000026	VOLUME	294951.016	3793261.425	45.00
LOCATION	L0000027	VOLUME	294910.944	3793284.014	45.02
LOCATION	L0000028	VOLUME	294870.873	3793306.603	44.99
LOCATION	L0000029	VOLUME	294830.801	3793329.192	44.84
LOCATION	L0000030	VOLUME	294790.730	3793351.782	44.53
LOCATION	L0000031	VOLUME	294750.658	3793374.371	44.00
LOCATION	L0000032	VOLUME	294710.587	3793396.960	43.99
LOCATION	L0000033	VOLUME	294670.515	3793419.549	43.09
LOCATION	L0000034	VOLUME	294630.444	3793442.138	43.00

** End of LINE VOLUME Source ID = SLINE1

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0000001	1.0	2.00	21.40	0.93
SRCPARAM	L0000002	1.0	2.00	21.40	0.93
SRCPARAM	L0000003	1.0	2.00	21.40	0.93
SRCPARAM	L0000004	1.0	2.00	21.40	0.93
SRCPARAM	L0000005	1.0	2.00	21.40	0.93
SRCPARAM	L0000006	1.0	2.00	21.40	0.93
SRCPARAM	L0000007	1.0	2.00	21.40	0.93
SRCPARAM	L0000008	1.0	2.00	21.40	0.93
SRCPARAM	L0000009	1.0	2.00	21.40	0.93
SRCPARAM	L0000010	1.0	2.00	21.40	0.93
SRCPARAM	L0000011	1.0	2.00	21.40	0.93
SRCPARAM	L0000012	1.0	2.00	21.40	0.93
SRCPARAM	L0000013	1.0	2.00	21.40	0.93

SRCPARAM L0000014	1.0	2.00	21.40	0.93
SRCPARAM L0000015	1.0	2.00	21.40	0.93
SRCPARAM L0000016	1.0	2.00	21.40	0.93
SRCPARAM L0000017	1.0	2.00	21.40	0.93
SRCPARAM L0000018	1.0	2.00	21.40	0.93
SRCPARAM L0000019	1.0	2.00	21.40	0.93
SRCPARAM L0000020	1.0	2.00	21.40	0.93
SRCPARAM L0000021	1.0	2.00	21.40	0.93
SRCPARAM L0000022	1.0	2.00	21.40	0.93
SRCPARAM L0000023	1.0	2.00	21.40	0.93
SRCPARAM L0000024	1.0	2.00	21.40	0.93
SRCPARAM L0000025	1.0	2.00	21.40	0.93
SRCPARAM L0000026	1.0	2.00	21.40	0.93
SRCPARAM L0000027	1.0	2.00	21.40	0.93
SRCPARAM L0000028	1.0	2.00	21.40	0.93
SRCPARAM L0000029	1.0	2.00	21.40	0.93
SRCPARAM L0000030	1.0	2.00	21.40	0.93
SRCPARAM L0000031	1.0	2.00	21.40	0.93
SRCPARAM L0000032	1.0	2.00	21.40	0.93
SRCPARAM L0000033	1.0	2.00	21.40	0.93
SRCPARAM L0000034	1.0	2.00	21.40	0.93

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING
INCLUDED "Segment 15, VEN US-101 SB.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING
SURFFILE "C:\Users\kheck\Desktop\MET Data\Oxnard Airport\723927.SFC"
PROFFILE "C:\Users\kheck\Desktop\MET Data\Oxnard Airport\723927.PFL"
SURFDATA 93110 2009
UAIRDATA 93214 2009
PROFBASE 11.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "Segment 15, VEN US-101 SB.AD\AN00GALL.PLT" 31

SUMMFILE "Segment 15, VEN US-101 SB.sum"

OU FINISHED

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 15, VEN US-101 SB\Segment 15, VEN US-10 *** 10/28/19

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

*** 15:14:11

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*** MODELOPTs: RegDEFAULT 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 34 Source(s), for Total of 1 Urban Area(s):

Urban Population = 109067.0 ; 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:

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates ANNUAL Averages Only

**This Run Includes: 34 Source(s); 1 Source Group(s); and 158 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 34 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 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) = 11.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 15, VEN US-101 SB.err

**File for Summary of Results: Segment 15, VEN US-101 SB.sum

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 15, VEN
US-101 SB\Segment 15, VEN US-10 *** 10/28/19
*** AERMET - VERSION 14134 *** ***
*** 15:14:11

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0000001		0	0.10000E+01	295952.8	3792696.7	44.0	2.00	21.40
0.93	YES							
L0000002		0	0.10000E+01	295912.7	3792719.3	44.0	2.00	21.40
0.93	YES							
L0000003		0	0.10000E+01	295872.7	3792741.9	44.1	2.00	21.40
0.93	YES							
L0000004		0	0.10000E+01	295832.6	3792764.5	44.0	2.00	21.40
0.93	YES							
L0000005		0	0.10000E+01	295792.5	3792787.1	44.6	2.00	21.40
0.93	YES							
L0000006		0	0.10000E+01	295752.4	3792809.6	44.5	2.00	21.40
0.93	YES							
L0000007		0	0.10000E+01	295712.4	3792832.2	45.0	2.00	21.40
0.93	YES							
L0000008		0	0.10000E+01	295672.3	3792854.8	45.0	2.00	21.40
0.93	YES							
L0000009		0	0.10000E+01	295632.2	3792877.4	45.8	2.00	21.40
0.93	YES							
L0000010		0	0.10000E+01	295592.2	3792900.0	45.9	2.00	21.40
0.93	YES							
L0000011		0	0.10000E+01	295552.1	3792922.6	46.0	2.00	21.40
0.93	YES							
L0000012		0	0.10000E+01	295512.0	3792945.2	45.9	2.00	21.40
0.93	YES							
L0000013		0	0.10000E+01	295471.9	3792967.8	46.0	2.00	21.40
0.93	YES							
L0000014		0	0.10000E+01	295431.9	3792990.4	46.0	2.00	21.40
0.93	YES							

L0000015	0	0.10000E+01	295391.8	3793012.9	46.0	2.00	21.40
0.93 YES							
L0000016	0	0.10000E+01	295351.7	3793035.5	46.0	2.00	21.40
0.93 YES							
L0000017	0	0.10000E+01	295311.7	3793058.1	46.0	2.00	21.40
0.93 YES							
L0000018	0	0.10000E+01	295271.6	3793080.7	46.0	2.00	21.40
0.93 YES							
L0000019	0	0.10000E+01	295231.5	3793103.3	46.0	2.00	21.40
0.93 YES							
L0000020	0	0.10000E+01	295191.4	3793125.9	46.0	2.00	21.40
0.93 YES							
L0000021	0	0.10000E+01	295151.4	3793148.5	46.0	2.00	21.40
0.93 YES							
L0000022	0	0.10000E+01	295111.3	3793171.1	46.0	2.00	21.40
0.93 YES							
L0000023	0	0.10000E+01	295071.2	3793193.7	46.0	2.00	21.40
0.93 YES							
L0000024	0	0.10000E+01	295031.2	3793216.2	46.0	2.00	21.40
0.93 YES							
L0000025	0	0.10000E+01	294991.1	3793238.8	45.5	2.00	21.40
0.93 YES							
L0000026	0	0.10000E+01	294951.0	3793261.4	45.0	2.00	21.40
0.93 YES							
L0000027	0	0.10000E+01	294910.9	3793284.0	45.0	2.00	21.40
0.93 YES							
L0000028	0	0.10000E+01	294870.9	3793306.6	45.0	2.00	21.40
0.93 YES							
L0000029	0	0.10000E+01	294830.8	3793329.2	44.8	2.00	21.40
0.93 YES							
L0000030	0	0.10000E+01	294790.7	3793351.8	44.5	2.00	21.40
0.93 YES							
L0000031	0	0.10000E+01	294750.7	3793374.4	44.0	2.00	21.40
0.93 YES							
L0000032	0	0.10000E+01	294710.6	3793397.0	44.0	2.00	21.40
0.93 YES							
L0000033	0	0.10000E+01	294670.5	3793419.5	43.1	2.00	21.40
0.93 YES							
L0000034	0	0.10000E+01	294630.4	3793442.1	43.0	2.00	21.40
0.93 YES							

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 15, VEN
 US-101 SB\Segment 15, VEN US-10 *** 10/28/19

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

*** 15:14:11

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*** MODELOPTs: RegDFault CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

ALL L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 ,

L0000014 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
 , L0000015 , L0000016 ,

L0000022 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
 , L0000023 , L0000024 ,

L0000030 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
 , L0000031 , L0000032 ,

 L0000033 , L0000034 ,
^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 15, VEN
US-101 SB\Segment 15, VEN US-10 *** 10/28/19
*** AERMET - VERSION 14134 *** ***
 *** 15:14:11

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID URBAN POP

SOURCE IDs

 109067. L0000001 , L0000002 , L0000003 , L0000004 ,
L0000005 , L0000006 , L0000007 ,
L0000008 ,

L0000014 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
 , L0000015 , L0000016 ,

L0000022 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
 , L0000023 , L0000024 ,

L0000030 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,
 , L0000031 , L0000032 ,

 L0000033 , L0000034 ,
^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 15, VEN

US-101 SB\Segment 15, VEN US-10 *** 10/28/19
*** AERMET - VERSION 14134 *** ***
*** 15:14:11

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(294768.2, 3792572.8,	32.7,	32.7,	0.0);	(294768.2,
3792672.8, 34.3,	34.3,	0.0);		
(294768.2, 3792772.8,	36.0,	36.0,	0.0);	(294768.2,
3792872.8, 37.2,	37.2,	0.0);		
(294768.2, 3792972.8,	38.9,	38.9,	0.0);	(294768.2,
3793072.8, 40.1,	40.1,	0.0);		
(294768.2, 3793172.8,	42.2,	42.2,	0.0);	(294768.2,
3793272.8, 43.3,	43.3,	0.0);		
(294768.2, 3793372.8,	44.3,	44.3,	0.0);	(294768.2,
3793472.8, 45.2,	45.2,	0.0);		
(294768.2, 3793572.8,	46.0,	46.0,	0.0);	(294868.2,
3792572.8, 34.0,	34.0,	0.0);		
(294868.2, 3792672.8,	35.6,	35.6,	0.0);	(294868.2,
3792772.8, 37.0,	37.0,	0.0);		
(294868.2, 3792872.8,	38.3,	38.3,	0.0);	(294868.2,
3792972.8, 39.9,	39.9,	0.0);		
(294868.2, 3793072.8,	41.7,	41.7,	0.0);	(294868.2,
3793172.8, 43.3,	43.3,	0.0);		
(294868.2, 3793272.8,	44.6,	44.6,	0.0);	(294868.2,
3793372.8, 45.7,	45.7,	0.0);		
(294868.2, 3793472.8,	46.3,	46.3,	0.0);	(294868.2,
3793572.8, 47.0,	47.0,	0.0);		
(294968.2, 3792572.8,	35.0,	35.0,	0.0);	(294968.2,
3792672.8, 36.0,	36.0,	0.0);		
(294968.2, 3792772.8,	38.0,	38.0,	0.0);	(294968.2,
3792872.8, 39.5,	39.5,	0.0);		
(294968.2, 3792972.8,	41.0,	41.0,	0.0);	(294968.2,
3793072.8, 42.2,	42.2,	0.0);		
(294968.2, 3793172.8,	44.5,	44.5,	0.0);	(294968.2,
3793272.8, 45.0,	45.0,	0.0);		
(294968.2, 3793372.8,	46.2,	46.2,	0.0);	(294968.2,
3793472.8, 47.5,	47.5,	0.0);		
(294968.2, 3793572.8,	48.0,	48.0,	0.0);	(295068.2,
3792572.8, 36.7,	36.7,	0.0);		
(295068.2, 3792672.8,	38.0,	38.0,	0.0);	(295068.2,
3792772.8, 39.3,	39.3,	0.0);		
(295068.2, 3792872.8,	40.7,	40.7,	0.0);	(295068.2,
3792972.8, 42.0,	42.0,	0.0);		
(295068.2, 3793072.8,	44.1,	44.1,	0.0);	(295068.2,

3793172.8, 45.7, 45.7, 0.0);
(295068.2, 3793272.8, 46.3, 46.3, 0.0); (295068.2,
3793372.8, 47.1, 47.1, 0.0);
(295068.2, 3793472.8, 48.2, 48.2, 0.0); (295068.2,
3793572.8, 49.3, 49.3, 0.0);
(295168.2, 3793172.8, 46.0, 46.0, 0.0); (295168.2,
3793272.8, 47.0, 47.0, 0.0);
(295168.2, 3793372.8, 48.0, 48.0, 0.0); (295168.2,
3793472.8, 49.0, 49.0, 0.0);
(295168.2, 3793572.8, 50.6, 50.6, 0.0); (295268.2,
3793072.8, 46.0, 46.0, 0.0);
(295268.2, 3793172.8, 46.0, 46.0, 0.0); (295268.2,
3793272.8, 47.8, 47.8, 0.0);
(295268.2, 3793372.8, 49.0, 49.0, 0.0); (295268.2,
3793472.8, 50.0, 50.0, 0.0);
(295268.2, 3793572.8, 51.8, 51.8, 0.0); (295368.2,
3793072.8, 46.0, 46.0, 0.0);
(295368.2, 3793172.8, 46.7, 46.7, 0.0); (295368.2,
3793272.8, 48.0, 48.0, 0.0);
(295368.2, 3793372.8, 49.5, 53.0, 0.0); (295368.2,
3793472.8, 51.2, 54.0, 0.0);
(295368.2, 3793572.8, 52.9, 56.0, 0.0); (295468.2,
3792572.8, 45.5, 45.5, 0.0);
(295468.2, 3792672.8, 42.7, 42.7, 0.0); (295468.2,
3792772.8, 43.0, 43.0, 0.0);
(295468.2, 3792872.8, 44.5, 44.5, 0.0); (295468.2,
3792972.8, 46.0, 46.0, 0.0);
(295468.2, 3793072.8, 46.0, 46.0, 0.0); (295468.2,
3793172.8, 47.5, 47.5, 0.0);
(295468.2, 3793272.8, 48.9, 48.9, 0.0); (295468.2,
3793372.8, 50.7, 50.7, 0.0);
(295468.2, 3793472.8, 52.3, 52.3, 0.0); (295468.2,
3793572.8, 54.6, 54.6, 0.0);
(295568.2, 3792572.8, 43.0, 43.0, 0.0); (295568.2,
3792672.8, 43.0, 43.0, 0.0);
(295568.2, 3792772.8, 44.0, 44.0, 0.0); (295568.2,
3792872.8, 45.0, 45.0, 0.0);
(295568.2, 3792972.8, 46.0, 46.0, 0.0); (295568.2,
3793072.8, 47.0, 47.0, 0.0);
(295568.2, 3793172.8, 48.0, 48.0, 0.0); (295568.2,
3793272.8, 49.8, 49.8, 0.0);
(295568.2, 3793372.8, 52.0, 52.0, 0.0); (295568.2,
3793472.8, 53.5, 53.5, 0.0);
(295568.2, 3793572.8, 55.8, 55.8, 0.0); (295668.2,
3792572.8, 42.5, 42.5, 0.0);
(295668.2, 3792672.8, 43.0, 43.0, 0.0); (295668.2,
3792772.8, 44.2, 44.2, 0.0);
(295668.2, 3792872.8, 45.0, 45.0, 0.0); (295668.2,
3792972.8, 46.0, 46.0, 0.0);
(295668.2, 3793072.8, 47.5, 47.5, 0.0); (295668.2,

3793172.8, 49.2, 49.2, 0.0);
 ▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 15, VEN
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(295668.2, 3793272.8,	50.9,	50.9,	0.0);	(295668.2,
3793372.8, 52.5,	52.5,	0.0);		
(295668.2, 3793472.8,	54.5,	54.5,	0.0);	(295668.2,
3793572.8, 56.0,	56.0,	0.0);		
(295768.2, 3792572.8,	42.0,	42.0,	0.0);	(295768.2,
3792672.8, 43.0,	43.0,	0.0);		
(295768.2, 3792772.8,	44.1,	44.1,	0.0);	(295768.2,
3792872.8, 45.0,	45.0,	0.0);		
(295768.2, 3792972.8,	46.8,	46.8,	0.0);	(295768.2,
3793072.8, 48.2,	48.2,	0.0);		
(295768.2, 3793172.8,	50.0,	50.0,	0.0);	(295768.2,
3793272.8, 51.9,	51.9,	0.0);		
(295768.2, 3793372.8,	53.2,	53.2,	0.0);	(295768.2,
3793472.8, 55.3,	55.3,	0.0);		
(295768.2, 3793572.8,	56.9,	56.9,	0.0);	(294768.2,
3793822.8, 48.2,	48.2,	0.0);		
(294768.2, 3794072.8,	52.2,	55.0,	0.0);	(295018.2,
3793822.8, 52.1,	52.1,	0.0);		
(295018.2, 3794072.8,	56.3,	59.0,	0.0);	(295268.2,
3793822.8, 56.0,	56.0,	0.0);		
(295268.2, 3794072.8,	61.0,	61.0,	0.0);	(295518.2,
3793822.8, 61.0,	61.0,	0.0);		
(295518.2, 3794072.8,	64.2,	64.2,	0.0);	(295768.2,
3793822.8, 62.2,	62.2,	0.0);		
(295768.2, 3794072.8,	65.5,	65.5,	0.0);	(296018.2,
3793822.8, 62.2,	62.2,	0.0);		
(296018.2, 3794072.8,	66.0,	66.0,	0.0);	(296268.2,
3793822.8, 63.1,	63.1,	0.0);		
(296268.2, 3794072.8,	67.5,	67.5,	0.0);	(296018.2,
3793572.8, 58.8,	58.8,	0.0);		
(296018.2, 3793322.8,	54.5,	54.5,	0.0);	(296018.2,
3793072.8, 50.2,	50.2,	0.0);		
(296018.2, 3792822.8,	45.8,	45.8,	0.0);	(296268.2,
3793572.8, 60.0,	60.0,	0.0);		
(296268.2, 3793322.8,	57.0,	57.0,	0.0);	(296268.2,
3793072.8, 52.2,	52.2,	0.0);		
(296268.2, 3792822.8,	46.0,	50.0,	0.0);	(296268.2,

3792572.8, 40.8, 40.8, 0.0);
 (296268.2, 3792322.8, 36.0, 36.0, 0.0); (295768.2,
 3792322.8, 39.9, 51.0, 0.0);
 (295768.2, 3792072.8, 29.7, 29.7, 0.0); (295518.2,
 3792322.8, 44.4, 44.4, 0.0);
 (295518.2, 3792072.8, 29.0, 29.0, 0.0); (295018.2,
 3792322.8, 30.2, 30.2, 0.0);
 (295018.2, 3792072.8, 28.0, 28.0, 0.0); (294768.2,
 3792322.8, 29.0, 29.0, 0.0);
 (294768.2, 3792072.8, 28.0, 28.0, 0.0); (294518.2,
 3792322.8, 27.0, 27.0, 0.0);
 (294518.2, 3792072.8, 27.4, 27.4, 0.0); (294268.2,
 3792322.8, 24.2, 28.0, 0.0);
 (294268.2, 3792072.8, 26.4, 26.4, 0.0); (294518.2,
 3792572.8, 30.0, 30.0, 0.0);
 (294518.2, 3792822.8, 33.0, 33.0, 0.0); (294518.2,
 3793072.8, 37.0, 37.0, 0.0);
 (294518.2, 3793322.8, 40.0, 42.0, 0.0); (294518.2,
 3793572.8, 42.0, 46.0, 0.0);
 (294518.2, 3793822.8, 46.2, 46.2, 0.0); (294518.2,
 3794072.8, 50.5, 50.5, 0.0);
 (294268.2, 3792572.8, 27.8, 27.8, 0.0); (294268.2,
 3792822.8, 30.6, 30.6, 0.0);
 (294268.2, 3793072.8, 33.7, 33.7, 0.0); (294268.2,
 3793322.8, 36.7, 36.7, 0.0);
 (294268.2, 3793572.8, 39.6, 39.6, 0.0); (294268.2,
 3793822.8, 44.1, 44.1, 0.0);
 (294268.2, 3794072.8, 48.5, 48.5, 0.0); (296108.9,
 3792144.7, 32.0, 32.0, 0.0);
 (296211.2, 3793608.3, 60.0, 60.0, 0.0); (297266.2,
 3793679.5, 68.0, 68.0, 0.0);

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
 BE PERFORMED *
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
 FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS) YR (METERS)
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- - -

-17.84	L0000005	295768.2	3792772.8
-5.88	L0000006	295768.2	3792772.8
-27.63	L0000008	295668.2	3792872.8
-9.69	L0000009	295668.2	3792872.8
-9.76	L0000010	295568.2	3792872.8
-39.80	L0000013	295468.2	3792972.8
-5.60	L0000014	295468.2	3792972.8
-5.29	L0000016	295368.2	3793072.8
-0.20	L0000017	295268.2	3793072.8
-37.38	L0000018	295268.2	3793072.8
-16.45	L0000021	295168.2	3793172.8
-2.93	L0000022	295068.2	3793172.8
-24.89	L0000023	295068.2	3793172.8
-5.12	L0000025	294968.2	3793272.8
-25.39	L0000026	294968.2	3793272.8
-1.86	L0000027	294868.2	3793272.8
-12.06	L0000028	294868.2	3793272.8
-15.27	L0000030	294768.2	3793372.8
-28.34	L0000031	294768.2	3793372.8

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***


```

09 01 01 1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.11 0.84
1.00 0.00 0. 10.0 280.4 2.0
09 01 01 1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.11 0.84
1.00 0.00 0. 10.0 280.9 2.0
09 01 01 1 24 -4.7 0.080 -9.000 -9.000 -999. 54. 9.8 0.12 0.84
1.00 1.76 90. 10.0 279.9 2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
09 01 01 01 10.0 1 -999. -99.00 280.4 99.0 -99.00 -99.00

```

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

```

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
, L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
, L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
, L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

```

X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC
-----
294768.25 3792572.75 80.52435 294768.25
3792672.75 93.41315
294768.25 3792772.75 109.49662 294768.25
3792872.75 129.70724
294768.25 3792972.75 159.31613 294768.25
3793072.75 204.76702
294768.25 3793172.75 297.20496 294768.25
3793272.75 564.99706

```

294768.25	3793372.75	566.55346	294768.25
3793472.75	265.58279		
294768.25	3793572.75	94.30643	294868.25
3792572.75	87.10313		
294868.25	3792672.75	102.48702	294868.25
3792772.75	121.80470		
294868.25	3792872.75	147.70263	294868.25
3792972.75	186.94218		
294868.25	3793072.75	256.39513	294868.25
3793172.75	420.71906		
294868.25	3793272.75	514.90921	294868.25
3793372.75	670.34346		
294868.25	3793472.75	188.25389	294868.25
3793572.75	88.67104		
294968.25	3792572.75	94.30197	294968.25
3792672.75	112.09303		
294968.25	3792772.75	136.69928	294968.25
3792872.75	170.54441		
294968.25	3792972.75	224.74742	294968.25
3793072.75	330.60444		
294968.25	3793172.75	704.17215	294968.25
3793272.75	709.23874		
294968.25	3793372.75	344.03831	294968.25
3793472.75	146.94497		
294968.25	3793572.75	80.83070	295068.25
3792572.75	103.25717		
295068.25	3792672.75	125.64544	295068.25
3792772.75	155.81441		
295068.25	3792872.75	200.77689	295068.25
3792972.75	280.33379		
295068.25	3793072.75	483.33153	295068.25
3793172.75	662.92556		
295068.25	3793272.75	608.08829	295068.25
3793372.75	232.25419		
295068.25	3793472.75	120.87231	295068.25
3793572.75	72.18171		
295168.25	3793172.75	864.44039	295168.25
3793272.75	349.30737		
295168.25	3793372.75	174.71097	295168.25
3793472.75	102.28600		
295168.25	3793572.75	62.75036	295268.25
3793072.75	837.44908		
295268.25	3793172.75	543.51074	295268.25
3793272.75	243.24813		
295268.25	3793372.75	140.25188	295268.25
3793472.75	86.67405		
295268.25	3793572.75	53.30434	295368.25
3793072.75	790.08525		
295368.25	3793172.75	337.26591	295368.25
3793272.75	185.10062		

295368.25	3793372.75	115.86960	295368.25
3793472.75	70.90180		
295368.25	3793572.75	47.39210	295468.25
3792572.75	159.08810		
295468.25	3792672.75	218.92827	295468.25
3792772.75	325.20478		
295468.25	3792872.75	617.57308	295468.25
3792972.75	685.84018		
295468.25	3793072.75	489.04810	295468.25
3793172.75	241.65417		
295468.25	3793272.75	148.12322	295468.25
3793372.75	96.77872		
295468.25	3793472.75	60.90888	295468.25
3793572.75	41.62902		
295568.25	3792572.75	176.01038	295568.25
3792672.75	264.40913		
295568.25	3792772.75	446.05467	295568.25
3792872.75	822.88835		
295568.25	3792972.75	846.59619	295568.25
3793072.75	318.39896		
295568.25	3793172.75	185.80605	295568.25
3793272.75	121.56469		

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*** MODELOPTs: RegDFault CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026
 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

295568.25	3793372.75	77.18466	295568.25
3793472.75	52.79760		
295568.25	3793572.75	37.03615	295668.25
3792572.75	195.96934		
295668.25	3792672.75	332.21195	295668.25
3792772.75	702.80332		
295668.25	3792872.75	649.73564	295668.25
3792972.75	439.38716		
295668.25	3793072.75	232.06969	295668.25
3793172.75	148.19466		
295668.25	3793272.75	100.54833	295668.25
3793372.75	66.29357		
295668.25	3793472.75	46.15148	295668.25
3793572.75	33.77455		
295768.25	3792572.75	211.55211	295768.25
3792672.75	449.16093		
295768.25	3792772.75	607.44274	295768.25
3792872.75	691.37078		
295768.25	3792972.75	293.37555	295768.25
3793072.75	178.61254		
295768.25	3793172.75	120.45590	295768.25
3793272.75	80.70485		
295768.25	3793372.75	56.99227	295768.25
3793472.75	40.63467		
295768.25	3793572.75	30.27757	294768.25
3793822.75	31.84503		
294768.25	3794072.75	15.72496	295018.25
3793822.75	27.69024		
295018.25	3794072.75	14.96289	295268.25
3793822.75	23.22018		
295268.25	3794072.75	12.94198	295518.25
3793822.75	18.58867		
295518.25	3794072.75	11.11571	295768.25
3793822.75	15.95020		
295768.25	3794072.75	9.78109	296018.25
3793822.75	13.87782		
296018.25	3794072.75	8.78052	296268.25
3793822.75	11.92906		
296268.25	3794072.75	7.83076	296018.25
3793572.75	23.49348		
296018.25	3793322.75	46.18804	296018.25
3793072.75	99.64595		
296018.25	3792822.75	265.62033	296268.25
3793572.75	18.82575		
296268.25	3793322.75	32.79835	296268.25
3793072.75	62.54411		
296268.25	3792822.75	112.35716	296268.25
3792572.75	124.61362		
296268.25	3792322.75	55.03041	295768.25

3792322.75	51.17343			
	295768.25	3792072.75	23.97183	295518.25
3792322.75	70.35882			
	295518.25	3792072.75	29.13851	295018.25
3792322.75	62.33262			
	295018.25	3792072.75	40.68584	294768.25
3792322.75	56.69321			
	294768.25	3792072.75	41.07366	294518.25
3792322.75	50.95796			
	294518.25	3792072.75	39.54851	294268.25
3792322.75	45.33744			
	294268.25	3792072.75	37.27264	294518.25
3792572.75	67.54664			
	294518.25	3792822.75	90.99675	294518.25
3793072.75	132.40139			
	294518.25	3793322.75	217.21270	294518.25
3793572.75	53.32936			
	294518.25	3793822.75	25.22878	294518.25
3794072.75	14.81878			
	294268.25	3792572.75	57.11016	294268.25
3792822.75	70.40829			
	294268.25	3793072.75	80.15438	294268.25
3793322.75	59.90557			
	294268.25	3793572.75	27.69134	294268.25
3793822.75	16.99344			
	294268.25	3794072.75	12.33875	296108.86
3792144.66	29.20763			
	296211.22	3793608.29	18.46097	297266.17

3793679.53 8.10727
 ▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 15, VEN
 US-101 SB\Segment 15, VEN US-10 *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 15:14:11

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

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

ALL	1ST HIGHEST VALUE IS	864.44039 AT (	295168.25,	3793172.75,
46.00,	46.00, 0.00) DC			
	2ND HIGHEST VALUE IS	846.59619 AT (	295568.25,	3792972.75,
46.00,	46.00, 0.00) DC			
	3RD HIGHEST VALUE IS	837.44908 AT (	295268.25,	3793072.75,
46.00,	46.00, 0.00) DC			
	4TH HIGHEST VALUE IS	822.88835 AT (	295568.25,	3792872.75,
45.01,	45.01, 0.00) DC			
	5TH HIGHEST VALUE IS	790.08525 AT (	295368.25,	3793072.75,
46.00,	46.00, 0.00) DC			
	6TH HIGHEST VALUE IS	709.23874 AT (	294968.25,	3793272.75,
45.01,	45.01, 0.00) DC			
	7TH HIGHEST VALUE IS	704.17215 AT (	294968.25,	3793172.75,
44.51,	44.51, 0.00) DC			
	8TH HIGHEST VALUE IS	702.80332 AT (	295668.25,	3792772.75,
44.17,	44.17, 0.00) DC			
	9TH HIGHEST VALUE IS	691.37078 AT (	295768.25,	3792872.75,
45.00,	45.00, 0.00) DC			
	10TH HIGHEST VALUE IS	685.84018 AT (	295468.25,	3792972.75,
46.00,	46.00, 0.00) DC			

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

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 15, VEN
 US-101 SB\Segment 15, VEN US-10 *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 15:14:11

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

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

A Total of	0 Fatal Error Message(s)
A Total of	1 Warning Message(s)
A Total of	11814 Informational Message(s)
A Total of	43872 Hours Were Processed
A Total of	9787 Calm Hours Identified
A Total of	2027 Missing Hours Identified (4.62 Percent)

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

***** WARNING MESSAGES *****
MX W481 43873 MAIN: Data Remaining After End of Year. Number of Hours=
48

*** AERMOD Finishes Successfully ***

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.7.0
** Lakes Environmental Software Inc.
** Date: 10/28/2019
** File: C:\Lakes\AERMOD View\Segment 16, VEN US-101 TO\Segment 16, VEN US-101
TO.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Segment 16, VEN US-101 TO\Segment 16, VEN US-10
  MODELOPT CONC NODRYDPLT NOWETDPLT FLAT ELEV
  AVERTIME ANNUAL
  URBANOPT 128888
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Segment 16, VEN US-101 TO.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC
** PREFIX
** Length of Side = 58.00
** Configuration = Adjacent
** Emission Rate = 24.0
** Vertical Dimension = 1.83
** SZINIT = 0.85
** Nodes = 4
** 330269.090, 3782373.560, 304.00, 1.83, 26.98
** 329531.920, 3782986.930, 298.39, 1.83, 26.98
** 329277.580, 3783161.120, 274.86, 1.83, 26.98

```


** 329182.050, 3783180.760, 275.97, 1.83, 26.98

**

LOCATION L0000001	VOLUME	330246.798	3782392.109	304.00
LOCATION L0000002	VOLUME	330202.213	3782429.206	304.00
LOCATION L0000003	VOLUME	330157.628	3782466.303	304.00
LOCATION L0000004	VOLUME	330113.043	3782503.400	304.00
LOCATION L0000005	VOLUME	330068.459	3782540.497	304.00
LOCATION L0000006	VOLUME	330023.874	3782577.595	304.00
LOCATION L0000007	VOLUME	329979.289	3782614.692	304.00
LOCATION L0000008	VOLUME	329934.705	3782651.789	304.00
LOCATION L0000009	VOLUME	329890.120	3782688.886	304.00
LOCATION L0000010	VOLUME	329845.535	3782725.983	303.65
LOCATION L0000011	VOLUME	329800.950	3782763.081	303.04
LOCATION L0000012	VOLUME	329756.366	3782800.178	303.00
LOCATION L0000013	VOLUME	329711.781	3782837.275	303.00
LOCATION L0000014	VOLUME	329667.196	3782874.372	303.00
LOCATION L0000015	VOLUME	329622.611	3782911.469	302.74
LOCATION L0000016	VOLUME	329578.027	3782948.566	301.51
LOCATION L0000017	VOLUME	329533.442	3782985.664	298.58
LOCATION L0000018	VOLUME	329485.700	3783018.584	293.79
LOCATION L0000019	VOLUME	329437.847	3783051.358	285.81
LOCATION L0000020	VOLUME	329389.994	3783084.131	281.13
LOCATION L0000021	VOLUME	329342.141	3783116.904	278.91
LOCATION L0000022	VOLUME	329294.288	3783149.677	276.95
LOCATION L0000023	VOLUME	329240.604	3783168.722	277.43
LOCATION L0000024	VOLUME	329183.792	3783180.402	278.88

** End of LINE VOLUME Source ID = SLINE2

** Source Parameters **

** LINE VOLUME Source ID = SLINE2

SRCPARAM L0000001	1.0	1.83	26.98	0.85
SRCPARAM L0000002	1.0	1.83	26.98	0.85
SRCPARAM L0000003	1.0	1.83	26.98	0.85
SRCPARAM L0000004	1.0	1.83	26.98	0.85
SRCPARAM L0000005	1.0	1.83	26.98	0.85
SRCPARAM L0000006	1.0	1.83	26.98	0.85
SRCPARAM L0000007	1.0	1.83	26.98	0.85
SRCPARAM L0000008	1.0	1.83	26.98	0.85
SRCPARAM L0000009	1.0	1.83	26.98	0.85
SRCPARAM L0000010	1.0	1.83	26.98	0.85
SRCPARAM L0000011	1.0	1.83	26.98	0.85
SRCPARAM L0000012	1.0	1.83	26.98	0.85
SRCPARAM L0000013	1.0	1.83	26.98	0.85
SRCPARAM L0000014	1.0	1.83	26.98	0.85
SRCPARAM L0000015	1.0	1.83	26.98	0.85
SRCPARAM L0000016	1.0	1.83	26.98	0.85
SRCPARAM L0000017	1.0	1.83	26.98	0.85
SRCPARAM L0000018	1.0	1.83	26.98	0.85
SRCPARAM L0000019	1.0	1.83	26.98	0.85
SRCPARAM L0000020	1.0	1.83	26.98	0.85
SRCPARAM L0000021	1.0	1.83	26.98	0.85

SRCPARAM L000022	1.0	1.83	26.98	0.85
SRCPARAM L000023	1.0	1.83	26.98	0.85
SRCPARAM L000024	1.0	1.83	26.98	0.85

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Segment 16, VEN US-101 TO.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "M:\9. Air Quality\Projects\1329.001 SCAG 2020 RTP\The SCAG\SCAG MET
DATA\Camarillo Airport\723926.SFC"

PROFFILE "M:\9. Air Quality\Projects\1329.001 SCAG 2020 RTP\The SCAG\SCAG MET
DATA\Camarillo Airport\723926.PFL"

SURFDATA 23136 2009

UAIRDATA 93214 2009

PROFBASE 21.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "Segment 16, VEN US-101 TO.AD\AN00GALL.PLT" 31

SUMMFILE "Segment 16, VEN US-101 TO.sum"

OU FINISHED

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 16, VEN
US-101 TO\Segment 16, VEN US-10 *** 10/28/19

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

*** 15:48:08

PAGE 1

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT 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 24 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 128888.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:

1. Stack-tip Downwash.
2. Allow FLAT/ELEV Terrain Option by Source,
with 0 FLAT and 24 ELEV Source(s).
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Full Conversion Assumed for NO2.
6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:

CCVR_Sub - Meteorological data includes CCVR substitutions

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates ANNUAL Averages Only

**This Run Includes: 24 Source(s); 1 Source Group(s); and 146
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)

and: 24 VOLUME source(s)

and: 0 AREA type source(s)

and: 0 LINE source(s)

and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 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) = 21.00 ; Decay
Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ;
Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Segment 16, VEN US-101 TO.err

**File for Summary of Results: Segment 16, VEN US-101 TO.sum

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 16, VEN
US-101 TO\Segment 16, VEN US-10 *** 10/28/19
*** AERMET - VERSION 14134 ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT.

INIT. SZ	URBAN SOURCE ID (METERS)	EMISSION RATE PART. (GRAMS/SEC) SCALAR VARY CATS. BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)
L0000001	0.85 YES	0 0.10000E+01	330246.8	3782392.1	304.0	1.83	26.98
L0000002	0.85 YES	0 0.10000E+01	330202.2	3782429.2	304.0	1.83	26.98
L0000003	0.85 YES	0 0.10000E+01	330157.6	3782466.3	304.0	1.83	26.98
L0000004	0.85 YES	0 0.10000E+01	330113.0	3782503.4	304.0	1.83	26.98
L0000005	0.85 YES	0 0.10000E+01	330068.5	3782540.5	304.0	1.83	26.98
L0000006	0.85 YES	0 0.10000E+01	330023.9	3782577.6	304.0	1.83	26.98
L0000007	0.85 YES	0 0.10000E+01	329979.3	3782614.7	304.0	1.83	26.98
L0000008	0.85 YES	0 0.10000E+01	329934.7	3782651.8	304.0	1.83	26.98
L0000009	0.85 YES	0 0.10000E+01	329890.1	3782688.9	304.0	1.83	26.98
L0000010	0.85 YES	0 0.10000E+01	329845.5	3782726.0	303.7	1.83	26.98
L0000011	0.85 YES	0 0.10000E+01	329801.0	3782763.1	303.0	1.83	26.98
L0000012	0.85 YES	0 0.10000E+01	329756.4	3782800.2	303.0	1.83	26.98
L0000013	0.85 YES	0 0.10000E+01	329711.8	3782837.3	303.0	1.83	26.98
L0000014	0.85 YES	0 0.10000E+01	329667.2	3782874.4	303.0	1.83	26.98
L0000015	0.85 YES	0 0.10000E+01	329622.6	3782911.5	302.7	1.83	26.98
L0000016	0.85 YES	0 0.10000E+01	329578.0	3782948.6	301.5	1.83	26.98
L0000017	0.85 YES	0 0.10000E+01	329533.4	3782985.7	298.6	1.83	26.98
L0000018	0.85 YES	0 0.10000E+01	329485.7	3783018.6	293.8	1.83	26.98
L0000019	0.85 YES	0 0.10000E+01	329437.8	3783051.4	285.8	1.83	26.98
L0000020	0.85 YES	0 0.10000E+01	329390.0	3783084.1	281.1	1.83	26.98
L0000021	0.85 YES	0 0.10000E+01	329342.1	3783116.9	278.9	1.83	26.98

L000022 0 0.10000E+01 329294.3 3783149.7 276.9 1.83 26.98
 0.85 YES
 L000023 0 0.10000E+01 329240.6 3783168.7 277.4 1.83 26.98
 0.85 YES
 L000024 0 0.10000E+01 329183.8 3783180.4 278.9 1.83 26.98
 0.85 YES

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 16, VEN
 US-101 TO\Segment 16, VEN US-10 *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 15:48:08

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L000001 , L000002 , L000003 , L000004 , L000005 ,
L000006	, L000007 , L000008 ,
	L000009 , L000010 , L000011 , L000012 , L000013 ,
L000014	, L000015 , L000016 ,
	L000017 , L000018 , L000019 , L000020 , L000021 ,
L000022	, L000023 , L000024 ,

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 16, VEN
 US-101 TO\Segment 16, VEN US-10 *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
	128888.	L000001 , L000002 , L000003 , L000004 ,
L000005	, L000006	, L000007 ,
L000008	,	

L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 ,

L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 ,

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 16, VEN
US-101 TO\Segment 16, VEN US-10 *** 10/28/19

*** AERMET - VERSION 14134 *** ***
*** 15:48:08

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT URBAN

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

(329449.4, 3783178.1, 273.2, 365.0, 0.0); (329522.0,
3783119.3, 289.5, 296.0, 0.0);
(329594.6, 3783060.5, 298.9, 298.9, 0.0); (329667.1,
3783001.7, 302.1, 302.1, 0.0);
(329739.7, 3782942.9, 302.8, 302.8, 0.0); (329812.3,
3782884.1, 303.1, 303.1, 0.0);
(329884.9, 3782825.3, 304.0, 304.0, 0.0); (329957.5,
3782766.5, 304.0, 304.0, 0.0);
(330030.1, 3782707.6, 304.0, 304.0, 0.0); (330102.7,
3782648.8, 303.8, 303.8, 0.0);
(330175.3, 3782590.0, 304.0, 304.0, 0.0); (330247.9,
3782531.2, 304.0, 304.0, 0.0);
(330320.5, 3782472.4, 303.7, 303.7, 0.0); (329512.3,
3783255.8, 274.7, 302.0, 0.0);
(329584.9, 3783197.0, 291.9, 291.9, 0.0); (329657.5,
3783138.2, 300.0, 300.0, 0.0);
(329730.1, 3783079.4, 302.0, 302.0, 0.0); (329802.7,
3783020.6, 302.9, 302.9, 0.0);
(329875.3, 3782961.8, 303.0, 303.0, 0.0); (329947.9,
3782903.0, 303.1, 303.1, 0.0);
(330020.5, 3782844.2, 303.1, 303.1, 0.0); (330093.1,
3782785.3, 303.1, 303.1, 0.0);
(330165.7, 3782726.5, 303.0, 303.0, 0.0); (330238.2,
3782667.7, 303.2, 303.2, 0.0);
(330310.8, 3782608.9, 303.1, 303.1, 0.0); (330383.4,
3782550.1, 303.0, 303.0, 0.0);
(329575.3, 3783333.5, 281.2, 299.0, 0.0); (329647.9,
3783274.7, 294.8, 294.8, 0.0);
(329720.5, 3783215.9, 299.5, 299.5, 0.0); (329793.0,
3783157.1, 301.8, 301.8, 0.0);
(329865.6, 3783098.3, 302.8, 302.8, 0.0); (329938.2,
3783039.5, 303.0, 303.0, 0.0);
(330010.8, 3782980.7, 303.0, 303.0, 0.0); (330083.4,

3782921.9, 303.0, 303.0, 0.0);
(330156.0, 3782863.0, 303.0, 303.0, 0.0); (330228.6,
3782804.2, 303.0, 303.0, 0.0);
(330301.2, 3782745.4, 303.0, 303.0, 0.0); (330373.8,
3782686.6, 303.0, 303.0, 0.0);
(330446.4, 3782627.8, 303.0, 426.0, 0.0); (329638.2,
3783411.2, 287.3, 292.0, 0.0);
(329710.8, 3783352.4, 296.3, 296.3, 0.0); (329783.4,
3783293.6, 300.3, 300.3, 0.0);
(329856.0, 3783234.8, 302.2, 302.2, 0.0); (329928.6,
3783176.0, 303.0, 303.0, 0.0);
(330001.2, 3783117.2, 303.0, 303.0, 0.0); (330073.8,
3783058.4, 303.0, 303.0, 0.0);
(330146.4, 3782999.6, 303.0, 303.0, 0.0); (330219.0,
3782940.8, 303.0, 303.0, 0.0);
(330291.6, 3782881.9, 303.0, 426.0, 0.0); (330364.1,
3782823.1, 303.0, 426.0, 0.0);
(330436.8, 3782764.3, 303.0, 426.0, 0.0); (330509.3,
3782705.5, 303.0, 426.0, 0.0);
(329701.2, 3783488.9, 291.4, 291.4, 0.0); (329773.8,
3783430.1, 297.8, 297.8, 0.0);
(329846.4, 3783371.3, 301.0, 301.0, 0.0); (329919.0,
3783312.5, 302.4, 302.4, 0.0);
(329991.5, 3783253.7, 303.0, 303.0, 0.0); (330064.1,
3783194.9, 303.0, 303.0, 0.0);
(330136.7, 3783136.1, 303.0, 303.0, 0.0); (330209.3,
3783077.3, 303.0, 426.0, 0.0);
(330281.9, 3783018.4, 303.0, 426.0, 0.0); (330354.5,
3782959.6, 303.0, 426.0, 0.0);
(330427.1, 3782900.8, 303.0, 426.0, 0.0); (330499.7,
3782842.0, 303.0, 426.0, 0.0);
(330572.3, 3782783.2, 303.0, 426.0, 0.0); (329970.2,
3783910.4, 301.9, 426.0, 0.0);
(330088.5, 3783818.6, 303.0, 426.0, 0.0); (330161.1,
3783759.8, 303.0, 426.0, 0.0);
(330233.7, 3783701.0, 303.0, 426.0, 0.0); (330306.3,
3783642.2, 303.0, 426.0, 0.0);
(330378.9, 3783583.4, 303.0, 426.0, 0.0); (330451.5,
3783524.6, 303.0, 426.0, 0.0);
(330524.1, 3783465.8, 303.0, 426.0, 0.0); (330596.7,
3783406.9, 303.1, 426.0, 0.0);
(330669.3, 3783348.1, 303.2, 426.0, 0.0); (330741.8,
3783289.3, 304.4, 426.0, 0.0);
(330814.5, 3783230.5, 305.6, 426.0, 0.0); (330887.0,
3783171.7, 309.7, 426.0, 0.0);
(330262.0, 3784315.4, 304.0, 426.0, 0.0); (330403.3,
3784207.1, 304.0, 426.0, 0.0);
(330475.8, 3784148.3, 304.0, 426.0, 0.0); (330548.5,
3784089.5, 304.0, 426.0, 0.0);
(330621.0, 3784030.7, 311.0, 426.0, 0.0); (330339.2,

3782344.5, 304.0, 304.0, 0.0);
 (330514.8, 3782502.3, 303.0, 303.0, 0.0); (330635.4,
 3782667.3, 303.0, 426.0, 0.0);
 (330186.5, 3782304.4, 304.0, 399.0, 0.0); (330112.5,
 3782362.4, 304.0, 399.0, 0.0);
 (330038.5, 3782420.5, 304.0, 399.0, 0.0); (329964.5,
 3782478.5, 304.0, 399.0, 0.0);

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 16, VEN
 US-101 TO\Segment 16, VEN US-10 *** 10/28/19
 *** AERMET - VERSION 14134 *** ***
 *** 15:48:08

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT URBAN

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

(329890.5, 3782536.6, 304.0, 399.0, 0.0); (329816.5,
 3782594.6, 304.0, 304.0, 0.0);
 (329742.5, 3782652.7, 303.9, 303.9, 0.0); (330198.0,
 3782205.0, 304.0, 399.0, 0.0);
 (330050.8, 3782283.8, 304.0, 399.0, 0.0); (329976.8,
 3782341.8, 304.0, 399.0, 0.0);
 (329902.8, 3782399.8, 304.0, 399.0, 0.0); (329828.8,
 3782457.9, 304.0, 399.0, 0.0);
 (329754.8, 3782515.9, 304.0, 399.0, 0.0); (329680.8,
 3782574.0, 304.0, 365.0, 0.0);
 (329989.1, 3782205.1, 304.0, 399.0, 0.0); (329693.1,
 3782437.3, 304.3, 399.0, 0.0);
 (329619.1, 3782495.3, 304.0, 399.0, 0.0); (329927.3,
 3782126.4, 304.0, 399.0, 0.0);
 (329557.3, 3782416.6, 304.0, 399.0, 0.0); (329483.3,
 3782474.7, 304.2, 399.0, 0.0);
 (329409.4, 3782532.8, 310.7, 365.0, 0.0); (329865.6,
 3782047.7, 310.3, 399.0, 0.0);
 (329791.6, 3782105.8, 305.9, 421.0, 0.0); (329421.6,
 3782396.0, 314.1, 399.0, 0.0);
 (329072.0, 3783170.8, 280.0, 365.0, 0.0); (329124.0,
 3783089.9, 291.9, 365.0, 0.0);
 (328995.5, 3783083.5, 286.1, 365.0, 0.0); (329151.5,
 3783283.3, 263.6, 365.0, 0.0);
 (329244.6, 3783279.7, 257.8, 365.0, 0.0); (329265.9,
 3783377.4, 244.5, 365.0, 0.0);
 (329287.1, 3783475.1, 243.0, 365.0, 0.0); (329308.4,
 3783572.8, 243.0, 365.0, 0.0);
 (328275.9, 3784372.6, 243.0, 243.0, 0.0); (328221.9,
 3784282.4, 243.0, 243.0, 0.0);
 (329384.5, 3783338.9, 248.3, 365.0, 0.0); (329389.5,

```

3783443.3, 243.0, 365.0, 0.0);
( 329493.1, 3783388.3, 259.9, 358.0, 0.0); ( 329448.7,
3783525.4, 243.6, 426.0, 0.0);
( 329546.9, 3783472.6, 259.3, 303.0, 0.0); ( 329491.7,
3783614.2, 249.3, 426.0, 0.0);
( 329600.7, 3783556.9, 271.6, 302.0, 0.0); ( 329760.7,
3784035.6, 289.8, 289.8, 0.0);
( 329869.7, 3783978.3, 298.1, 298.1, 0.0); ( 330029.7,
3784457.1, 299.1, 426.0, 0.0);
( 330138.6, 3784399.8, 304.0, 426.0, 0.0); ( 330112.5,
3782369.2, 304.0, 399.0, 0.0);
( 330300.0, 3782406.6, 304.0, 304.0, 0.0); ( 330241.7,
3782469.8, 304.0, 304.0, 0.0);
( 330057.7, 3782619.8, 304.0, 304.0, 0.0); ( 329897.1,
3782763.9, 304.0, 304.0, 0.0);
( 331600.7, 3782363.7, 304.0, 426.0, 0.0); ( 330323.4,
3783513.9, 303.0, 426.0, 0.0);
( 330438.4, 3783358.9, 303.0, 426.0, 0.0); ( 329169.8,
3783193.6, 277.0, 365.0, 0.0);
( 329167.5, 3783175.0, 280.2, 365.0, 0.0); ( 329286.3,
3783137.7, 279.4, 365.0, 0.0);
( 330248.2, 3782383.0, 304.0, 304.0, 0.0); ( 330257.5,
3782394.7, 304.0, 304.0, 0.0);
( 329386.4, 3783100.4, 279.3, 365.0, 0.0); ( 329276.9,
3783170.3, 274.7, 365.0, 0.0);

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^ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 16, VEN
US-101 TO\Segment 16, VEN US-10 *** 10/28/19
*** AERMET - VERSION 14134 *** ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT URBAN

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
BE PERFORMED *
LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
-2.88	L0000001	330300.0	3782406.6
-48.84	L0000001	330248.2	3782383.0

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

CATEGORIES *** ***(METERS/SEC)

1.54, 3.09, 5.14, 8.23,

10.80,

*** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\Segment 16, VEN
US-101 TO\Segment 16, VEN US-10 *** 10/28/19
*** AERMET - VERSION 14134 ***
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT URBAN

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

Surface file: M:\9. Air Quality\Projects\1329.001 SCAG 2020 RTP\The SCAG\SCAG
MET DATA\Camaril Met Version: 14134
Profile file: M:\9. Air Quality\Projects\1329.001 SCAG 2020 RTP\The SCAG\SCAG
MET DATA\Camaril
Surface format: FREE

Profile format: FREE

Surface station no.: 23136 Upper air station no.: 93214
Name: UNKNOWN Name: UNKNOWN
Year: 2009 Year: 2009

Table with 14 columns: YR, MO, DY, JDY, HR, H0, U*, W*, DT/DZ, ZICNV, ZIMCH, M-O, LEN, Z0, BOWEN. It contains 5 rows of meteorological data for the first 24 hours of scalar data.

09	01	01	1	06	-6.7	0.116	-9.000	-9.000	-999.	95.	21.1	0.03	0.81
1.00	2.36	52.	10.0	278.1	2.0								
09	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.04	0.81
1.00	0.00	0.	10.0	276.4	2.0								
09	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.04	0.81
0.57	0.00	0.	10.0	277.5	2.0								
09	01	01	1	09	16.9	0.181	0.282	0.018	48.	185.	-31.8	0.03	0.81
0.33	2.36	107.	10.0	279.2	2.0								
09	01	01	1	10	61.0	0.211	0.601	0.015	129.	233.	-14.0	0.04	0.81
0.24	2.36	161.	10.0	281.4	2.0								
09	01	01	1	11	97.2	0.183	0.800	0.017	191.	188.	-5.7	0.05	0.81
0.21	1.76	214.	10.0	282.5	2.0								
09	01	01	1	12	108.8	0.264	0.957	0.013	292.	326.	-15.4	0.05	0.81
0.20	2.86	206.	10.0	285.4	2.0								
09	01	01	1	13	108.9	0.229	1.066	0.011	403.	263.	-9.9	0.05	0.81
0.20	2.36	223.	10.0	285.9	2.0								
09	01	01	1	14	93.2	0.261	1.073	0.010	479.	320.	-17.3	0.05	0.81
0.21	2.86	239.	10.0	287.0	2.0								
09	01	01	1	15	62.1	0.207	0.944	0.009	490.	226.	-12.8	0.04	0.81
0.24	2.36	272.	10.0	287.0	2.0								
09	01	01	1	16	18.0	0.190	0.626	0.009	491.	198.	-34.3	0.04	0.81
0.33	2.36	274.	10.0	285.9	2.0								
09	01	01	1	17	-12.1	0.125	-9.000	-9.000	-999.	107.	14.5	0.03	0.81
0.58	2.86	301.	10.0	283.1	2.0								
09	01	01	1	18	-7.2	0.107	-9.000	-9.000	-999.	84.	15.4	0.04	0.81
1.00	2.36	287.	10.0	281.4	2.0								
09	01	01	1	19	-7.1	0.124	-9.000	-9.000	-999.	105.	24.5	0.04	0.81
1.00	2.36	294.	10.0	280.4	2.0								
09	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.04	0.81
1.00	0.00	0.	10.0	280.1	2.0								
09	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.04	0.81
1.00	0.00	0.	10.0	280.1	2.0								
09	01	01	1	22	-4.4	0.065	-9.000	-9.000	-999.	40.	5.7	0.04	0.81
1.00	1.76	162.	10.0	279.1	2.0								
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.04	0.81
1.00	0.00	0.	10.0	278.1	2.0								
09	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.04	0.81
1.00	0.00	0.	10.0	279.1	2.0								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
09	01	01	01	10.0	1	-999.	-99.00	281.5	99.0	-99.00	-99.00

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

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

*** 15:48:08

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 , L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
329449.37	3783178.15	290.96704	329521.96
3783119.34	343.61566		
329594.56	3783060.53	375.83095	329667.15
3783001.71	413.43624		
329739.74	3782942.90	429.37045	329812.34
3782884.09	434.09465		
329884.93	3782825.28	434.02954	329957.52
3782766.46	430.44725		
330030.12	3782707.65	424.54235	330102.71
3782648.84	415.40613		
330175.30	3782590.03	402.32815	330247.90
3782531.21	379.70450		
330320.49	3782472.40	319.86023	329512.32
3783255.85	142.20014		
329584.91	3783197.04	160.98144	329657.51
3783138.23	175.00178		
329730.10	3783079.41	194.31077	329802.69
3783020.60	208.43499		
329875.29	3782961.79	216.39461	329947.88
3782902.98	219.78101		
330020.47	3782844.16	220.35507	330093.07
3782785.35	218.75127		
330165.66	3782726.54	215.12519	330238.25
3782667.73	209.02663		
330310.85	3782608.91	197.28806	330383.44
3782550.10	172.77444		
329575.27	3783333.55	90.45877	329647.86

3783274.74	98.00935			
	329720.46	3783215.93	108.46041	329793.05
3783157.11	119.25864			
	329865.64	3783098.30	128.88380	329938.24
3783039.49	136.31952			
	330010.83	3782980.68	140.75146	330083.42
3782921.86	142.79062			
	330156.02	3782863.05	143.01917	330228.61
3782804.24	141.55254			
	330301.20	3782745.43	137.83986	330373.80
3782686.61	130.24027			
	330446.39	3782627.80	117.40037	329638.22
3783411.25	63.55223			
	329710.81	3783352.44	68.55756	329783.41
3783293.63	75.09881			
	329856.00	3783234.81	82.07171	329928.59
3783176.00	88.48463			
	330001.19	3783117.19	94.40214	330073.78
3783058.38	98.89873			
	330146.37	3782999.56	101.66262	330218.97
3782940.75	102.77150			
	330291.56	3782881.94	102.33583	330364.15
3782823.13	99.98729			
	330436.75	3782764.31	95.11167	330509.34
3782705.50	87.61308			
	329701.17	3783488.95	47.32610	329773.76
3783430.14	51.69630			
	329846.36	3783371.33	55.99414	329918.95
3783312.51	60.92054			
	329991.54	3783253.70	65.38780	330064.14
3783194.89	69.68261			
	330136.73	3783136.08	73.25827	330209.32
3783077.26	76.00005			
	330281.92	3783018.45	77.64701	330354.51
3782959.64	77.81327			
	330427.10	3782900.83	76.28047	330499.70
3782842.01	73.10217			
	330572.29	3782783.20	68.55105	329970.16
3783910.43	17.57665			
	330088.51	3783818.64	20.22531	330161.11
3783759.83	22.11266			
	330233.70	3783701.01	23.88524	330306.29
3783642.20	25.19112			
	330378.89	3783583.39	26.05376	330451.48
3783524.58	26.73873			
	330524.07	3783465.76	27.34495	330596.67
3783406.95	27.79922			
	330669.26	3783348.14	28.01588	330741.85
3783289.33	27.89422			
	330814.45	3783230.51	27.55554	330887.04

3783171.70 26.72516
 330262.03 3784315.42 10.44388 330403.26
 3784207.14 11.63830

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT URBAN

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

 INCLUDING SOURCE(S): L0000001 , L0000002
 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010
 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018
 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
330475.85	3784148.33	12.29444	330548.45
3784089.51	12.98582		
330621.04	3784030.70	13.09323	330339.21
3782344.47	207.36528		
330514.77	3782502.29	106.87324	330635.41
3782667.35	67.64412		
330186.51	3782304.37	175.37572	330112.51
3782362.42	311.80414		
330038.51	3782420.48	338.80478	329964.51
3782478.53	342.09379		
329890.52	3782536.58	339.66443	329816.52
3782594.63	334.48746		
329742.52	3782652.68	327.38262	330198.05
3782205.04	61.67980		
330050.79	3782283.75	141.48464	329976.79
3782341.80	179.47621		
329902.79	3782399.85	191.93770	329828.79
3782457.90	195.56245		
329754.79	3782515.95	195.71293	329680.80

3782574.00	193.89232			
	329989.06	3782205.07	82.16517	329693.07
3782437.27	137.83611			
	329619.07	3782495.33	138.08661	329927.34
3782126.39	55.52452			
	329557.35	3782416.65	106.37374	329483.35
3782474.70	106.23229			
	329409.36	3782532.75	101.24653	329865.62
3782047.71	38.02458			
	329791.62	3782105.76	54.12589	329421.63
3782396.02	80.34142			
	329072.02	3783170.77	167.43055	329123.99
3783089.90	177.17096			
	328995.45	3783083.46	125.58679	329151.53
3783283.28	82.88930			
	329244.62	3783279.69	135.65758	329265.87
3783377.40	59.28167			
	329287.12	3783475.12	37.51133	329308.37
3783572.83	27.10762			
	328275.93	3784372.65	4.63510	328221.88
3784282.38	4.55111			
	329384.54	3783338.91	85.60156	329389.51
3783443.34	48.15472			
	329493.07	3783388.27	66.12248	329448.73
3783525.40	35.80744			
	329546.87	3783472.57	46.26792	329491.68
3783614.17	27.80010			
	329600.67	3783556.87	37.92635	329760.67
3784035.65	14.74483			
	329869.66	3783978.35	16.06458	330029.66
3784457.13	8.86452			
	330138.64	3784399.83	9.43293	330112.50
3782369.25	331.59038			
	330299.99	3782406.60	250.56055	330241.74
3782469.84	428.18815			
	330057.68	3782619.82	499.52752	329897.13
3782763.92	695.99197			
	331600.66	3782363.74	17.81270	330323.40
3783513.88	29.75418			
	330438.43	3783358.94	34.31407	329169.80
3783193.62	187.22517			
	329167.47	3783174.98	230.42582	329286.26
3783137.72	349.52475			
	330248.23	3782383.05	311.44481	330257.54
3782394.70	353.75812			
	329386.42	3783100.45	286.15450	329276.94
3783170.32	221.69429			

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 16, VEN
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	695.99197 AT (	329897.13, 3782763.92,
304.00,	304.00, 0.00) DC		
	2ND HIGHEST VALUE IS	499.52752 AT (	330057.68, 3782619.82,
304.00,	304.00, 0.00) DC		
	3RD HIGHEST VALUE IS	434.09465 AT (	329812.34, 3782884.09,
303.06,	303.06, 0.00) DC		
	4TH HIGHEST VALUE IS	434.02954 AT (	329884.93, 3782825.28,
303.97,	303.97, 0.00) DC		
	5TH HIGHEST VALUE IS	430.44725 AT (	329957.52, 3782766.46,
303.97,	303.97, 0.00) DC		
	6TH HIGHEST VALUE IS	429.37045 AT (	329739.74, 3782942.90,
302.78,	302.78, 0.00) DC		
	7TH HIGHEST VALUE IS	428.18815 AT (	330241.74, 3782469.84,
304.00,	304.00, 0.00) DC		
	8TH HIGHEST VALUE IS	424.54235 AT (	330030.12, 3782707.65,
303.97,	303.97, 0.00) DC		
	9TH HIGHEST VALUE IS	415.40613 AT (	330102.71, 3782648.84,
303.83,	303.83, 0.00) DC		
	10TH HIGHEST VALUE IS	413.43624 AT (	329667.15, 3783001.71,
302.10,	302.10, 0.00) DC		

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

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\Segment 16, VEN
 US-101 TO\Segment 16, VEN US-10 *** 10/28/19

*** AERMET - VERSION 14134 *** ***
 *** 15:48:08

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 15612 Informational Message(s)

A Total of 43872 Hours Were Processed

A Total of 13724 Calm Hours Identified

A Total of 1888 Missing Hours Identified (4.30 Percent)

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

***** WARNING MESSAGES *****
MX W481 43873 MAIN: Data Remaining After End of Year. Number of Hours=
48

*** AERMOD Finishes Successfully ***
