

Appendices

Appendix 5.2-2 Solana Beach Senior Housing Health Risk Screening Letter

Appendices

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August 8, 2017

Mr. John DeWald
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RE: Solana Beach Senior Housing Health Risk Screening Letter

The purpose of this Air Quality Heath Risk screening letter is to identify potential health risks at the proposed project site from toxic air contaminants (TACs) originating from Interstate-5 (I-5). The Project proposes to construct 99 senior housing units and an open space park on approximately 2.9 acres at 929 Genevieve Street within the City of Solana Beach. The residential care facility would be adjacent to Interstate 5 and the open space park would be located on the easternmost section of the property offering a somewhat buffered environment from line of site to I-5.

This health risk analysis uses the California Office of Environmental Health Hazard Assessment (OEHHA) methodologies (Office of Environmental Health Hazard Assessment, 2015) as outlined by the California Air Pollution Control Officers Association (CAPCOA, July 2009). Health risk impacts are generally broken up into two various types. Type A project: are projects which have the potential to emit toxic emissions and have the potential to impact nearby receptor. Type B projects: place receptors in the vicinity of existing toxic sources like freeways, high traffic roads or rail yards. Based on this information the proposed project is classified as Type B.

Projects within the San Diego County air basin are generally regulated by San Diego Air Pollution Control District (SDAPCD). For Type A projects, significance thresholds have been established under SDAPCDs "Hot Spots" and permitting program (SDAPCD Rule 1200 and 1210). Under this program, excess cancer risk significance threshold is set at **10 in a million** and acute and chronic, non-carcinogenic health effect, a hazard index of **one** must not be exceeded.

For Type B projects, there are no clear significance thresholds. California Environmental Quality Act (CEQA) statutes encourage an air district or any lead agency to establish Type B significance thresholds under CEQA for any pollutant. While there are considerations that support the establishment of thresholds, there is no obligation to do so. Significance thresholds for Type B projects within the City of Solana Beach and the County of San Diego

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have also not been defined. According to CAPCOA Air districts have historically recommended CEQA thresholds for air pollutants in the context of the air district's clean air attainment plan, or (in the case of toxic air pollutants) within the framework of a rule or policy that manages risks and exposures due to toxic pollutants such as SDAPCDs Rule 1200 and 1210 for Type A projects above. For purposes of this analysis significance thresholds will be assumed to be those of the "Hot Spot" program discussed above.

Cancer risk calculations are based on a 70 year lifetime exposure. In some limited cases, it may be appropriate to also use between 9 to 40 years exposure in the calculation. The 9 year exposure scenario is based on exposure to children during the first 9 years of life. Some districts use the 9 year exposure scenario to model short term projects. (CAPCOA, July 2009). For purposes of this analysis, it is reasonable to assume a 30 year duration.

For purposes of modeling, AERMOD Version 16216 was used for air quality dispersion modeling and is the preferred/recommended U.S. Environmental Protection Agency (EPA) model for roadway modeling. The software has the ability to incorporate meteorological inputs as well as multiple source and receptor locations and is now used throughout the world. The model input/output is shown in ***Attachment A*** to this letter.

The project is adjacent to I-5 between the off ramp of Lomas Santa Fe Drive and Via De La Valle. According to Caltrans, the annual average daily trips are 231,000 AADT (CALTRANS, 2015). Using the California Air Resource Boards EMFAC 2014 web database model, Emission rates for a 2020 calendar Year having mixed vehicle categories, aggregated vehicle model years and speeds matching Interstate 5 were downloaded. The emission rates for each vehicle type were then categorized in terms of Categorized Vehicle Miles Traveled (VMT) divided by Total fleet VMT. The data is further broken down into only Diesel particulates which are then used as inputs to AERMOD. From this data I-5 would generate 0.000468 grams/second of diesel particulates over the modeled segment. The EMFAC Model and Normalization calculations are shown in ***Attachment B*** to this letter.

Modeling at the site included coordinates for I-5 represented by multiple volume sources identified as red squares, yellow points which represent a gridded receptor matrix and 8 discrete receptors placed around the blue facility façade footprint. Also, modeling was conducted at both the ground and second levels of the facility. A graphical representation of the modeling locations is shown on a site aerial below in Figure 1 on the following page and again Figure 2 which also shows the descriptive discrete receptors locations around the facility on Page 4 of this report. The modeled output plot from AERMOD for the first floor is shown in Figure 3 on Page 5 and the second-floor plot is shown on Figure 4 on Page 6 of this report. Also, a model output report which was generated by AERMOD showing only the discrete modeling receptors emissions is shown in Table 1 on Page 7 of this report.

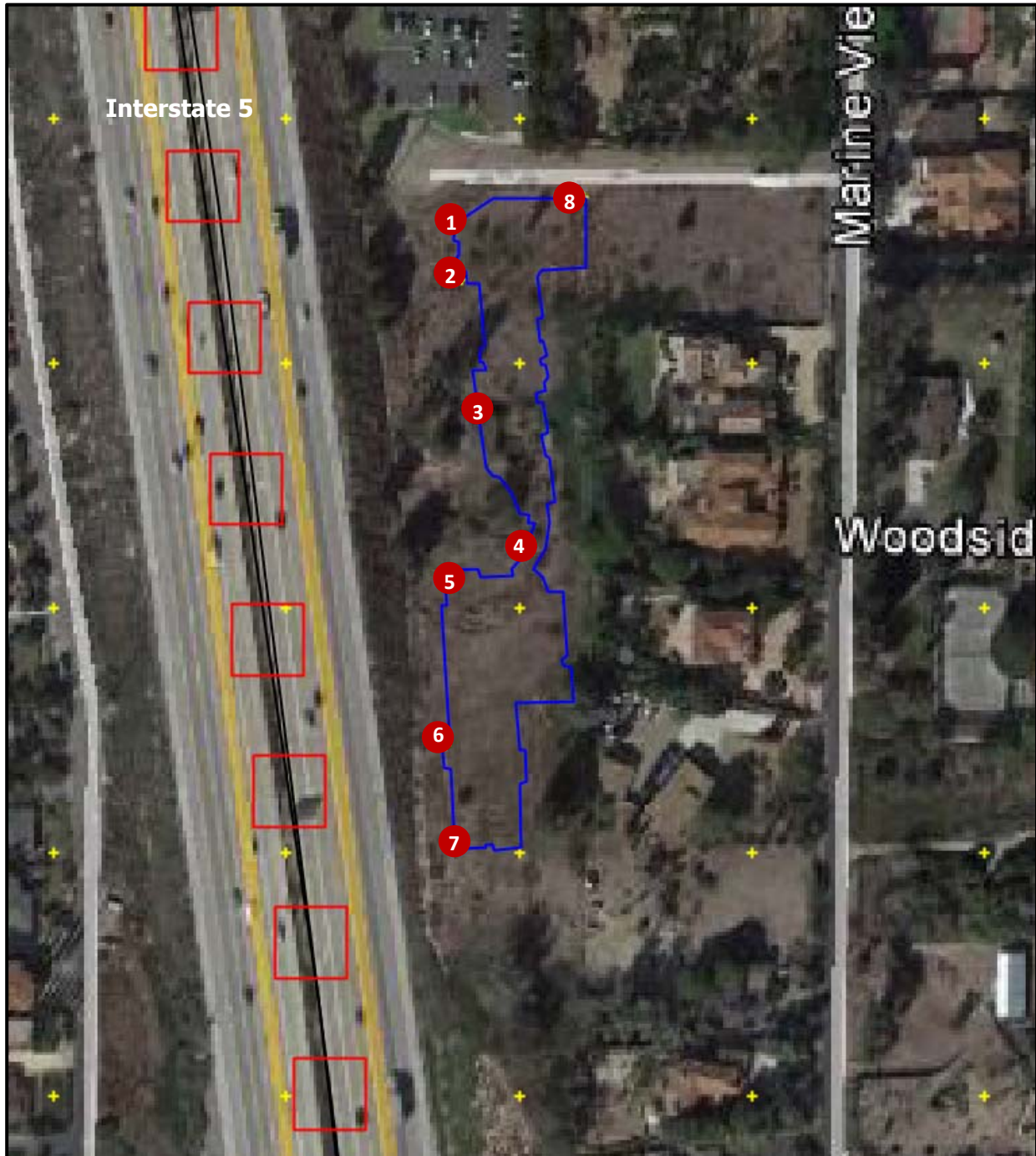
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Figure 1: Modeling Setup Representation



Figure 2: Discreet Receptor Locations



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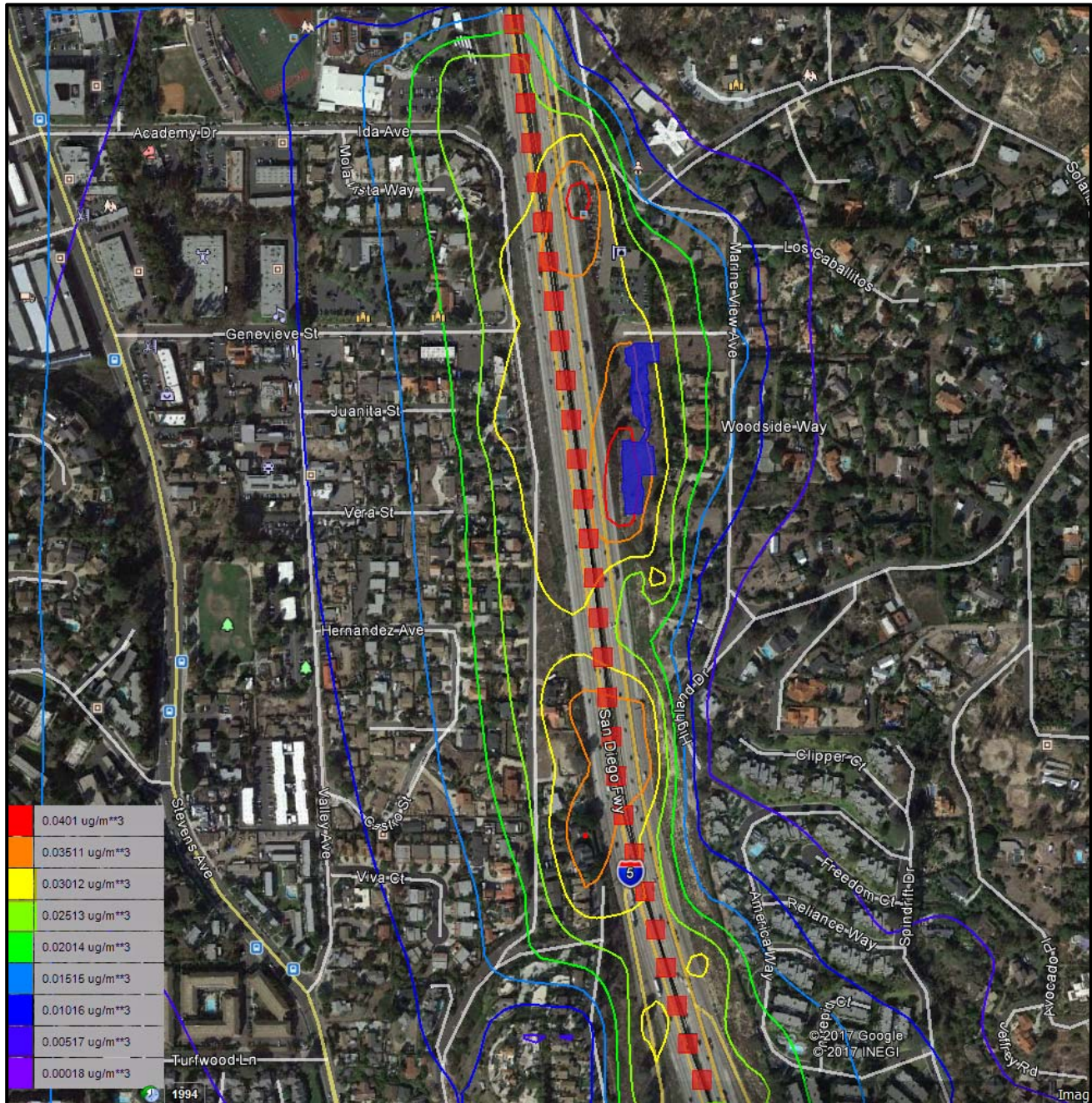
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Figure 3: Modeling Graphical Output 1st Floor



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Figure 4: Modeling Graphical Output 2nd Floor

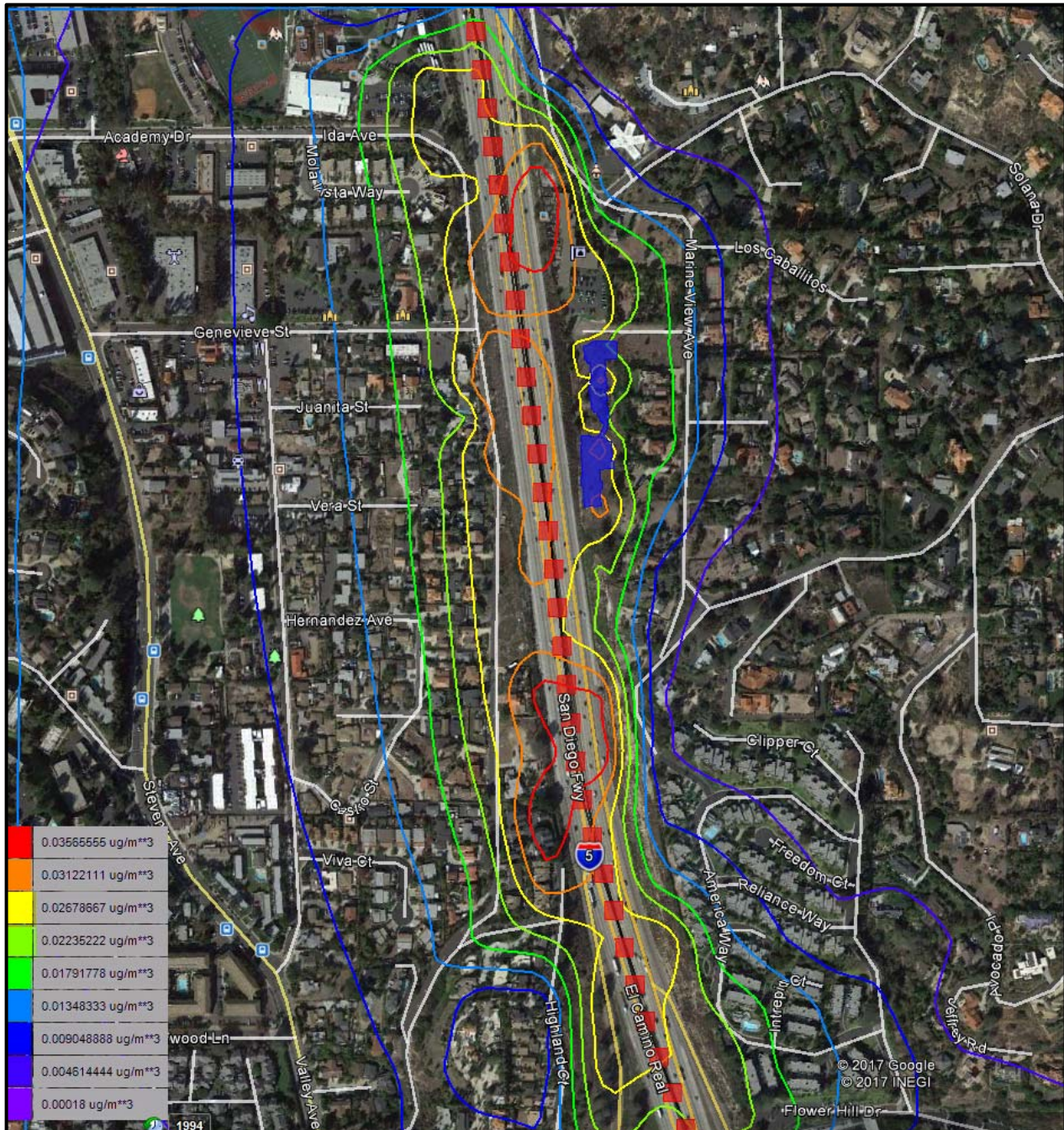


Table 1: Unmitigated Cancer Risk at each Receptor (1st and 2nd Level)

Floor	Receptor #	Discreet Receptor AERMOD Name	Concentration (µg/m ³)
First	1	NW Building GF	0.03724
First	2	NWGF2GF	0.03745
First	3	WGF1GF	0.03758
First	4	RoundaboutBuildingFacadeGF	0.03486
First	5	SWN1GF	0.04407
First	6	SWFurthestRecToI5GF	0.04721
First	7	SouthBuildingGF	0.04752
First	8	NorthEastBuildingGF	0.02827
Second	1	NW Building SF	0.02465
Second	2	NWGF2 SF	0.02460
Second	3	WGF1 SF	0.02442
Second	4	RoundaboutBuildingFacade SF	0.02292
Second	5	SWN1 SF	0.02759
Second	6	SWFurthestRecToI5 SF	0.02937
Second	7	SouthBuilding SF	0.02975
Second	8	NorthEastBuilding SF	0.01978

Once the dispersed concentrations of diesel particulates are estimated in the surrounding air, they are used to evaluate estimated exposure to people. Based on the emissions presented above, the highest three emissions are at receptors 7, 6 and 5 in that order which are the closest to Interstate 5.

Cancer Risk Exposure is evaluated by calculating the dose in milligrams per kilogram body weight per day (mg/kg/d). For residential exposure, the breathing rates are determined for specific age groups, so inhalation dose (Dose-air) is calculated for each of these age groups, 3rd trimester, 0<2, 2<9, 2<16, 16<30 and 16-70 years. It should be noted however, that residents of the proposed facility would not be less than 16 years old so only the 16-70 year bin is considered. The following algorithms calculate this dose for exposure through the inhalation pathways. The worst case cancer risk dose calculation is defined in Equation 1 below (OEHHA, 2015):

Equation 1

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

Dose_{air} = Dose through inhalation (mg/kg/d)

C_{air}	=	Concentration in air ($\mu\text{g}/\text{m}^3$) Annual average DPM concentration in $\mu\text{g}/\text{m}^3$ – AERMOD
BR/BW	=	Daily breathing rate normalized to body weight (L/kg BW-day). See Table I.2 for the daily breathing rate for each age range.
A	=	Inhalation absorption factor (assumed to be 1)
EF	=	Exposure frequency (unitless, days/365 days)
1×10^{-6}	=	Milligrams to micrograms conversion ($10^{-3} \text{ mg}/\mu\text{g}$), cubic meters to liters conversion ($10^{-3} \text{ m}^3/\text{l}$)

Once the dose is determined then you must calculate the cancer risk. The average daily inhalation dose (mg/kg-day) multiplied by the cancer potency factor (mg/kg-day)⁻¹ will give the inhalation cancer risk (unitless), which is an expression of the chemical's cancer risk during a 70-year lifespan of exposure. For example, an inhalation cancer risk of 5×10^{-6} is the same as stating that an individual has an estimated probability of developing cancer from their exposure of 5 chances per million people exposed.

Cancer risk is calculated by multiplying the daily inhalation or oral dose, by a cancer potency factor, the age sensitivity factor, the frequency of time spent at home and the exposure duration divided by averaging time, to yield the excess cancer risk. As described below, the excess cancer risk is calculated separately for each age grouping and then summed to yield cancer risk for any given location. The worst-case cancer risk calculation is defined in Equation 2 below (OEHHA, 2015).

Equation 2 $\text{RISK}_{inh-res} = \text{DOSE}_{air} \times \text{CPF} \times \text{ASF} \times \text{ED}/\text{AT} \times \text{FAH}$

$\text{RISK}_{inh-res}$	=	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 specified age group
AT	=	Averaging time for lifetime cancer risk (years)
FAH	=	Fraction of time spent at home (unitless)

Based on review of the discreet receptors, the highest three emissions at each floor level were selected as a means to calculate the worst-case cancer risks at the senior center. The results of the cancer risk calculations are shown in Table 2 on the following page and are shown in detail in **Attachment C** to this report. Based on these calculations, cancer risks would be less than ten in one million exposed which would not exceed significance thresholds.

Table 2: Cancer Risk at Worst-Case Receptors (1st and 2nd Level)

Floor	Receptor	C _i	Cancer Risk	Impact
First	7	0.04752	6.49	No
First	6	0.04721	6.45	No
First	5	0.04407	6.02	No
Second	7	0.02975	4.06	No
Second	6	0.02937	4.02	No
Second	5	0.02759	3.76	No

C_i annual inputs from AERMOD First Floor and Second Floor models.
Cancer Risk = DOSE_{air} × CPF × ASF × ED/AT × FAH

It should be noted though cancer risks are below 10 in one million exposed, cancer risks can be further reduced by installing mechanical air filtrations systems which filter fresh air intakes to the facility. Based on discussions with the project applicant, the facility will be constructed using mechanical filtration systems having a Minimum Efficiency Reporting Value (MERV) of 13. These systems have been found to reduce particulates 2.5 microns or less by 87 to 95% (CARB, 2012) which would significantly reduce diesel particulates within the facility where the residents are living. Table 3 below shows what the cancer risks would be reduced to less than one in one million exposed using the MERV 13 filtrations systems.

Table 3: Reduced Cancer Risk at Worst-Case Receptors with MERV 13 Filtration

Floor	Receptor	C _i	Cancer Risk	Impact
First	7	0.006175	0.84	No
First	6	0.006136	0.84	No
First	5	0.00572	0.78	No
Second	7	0.003861	0.53	No
Second	6	0.003822	0.52	No
Second	5	0.003575	0.49	No

C_i annual inputs from AERMOD First Floor and Second Floor models.
Cancer Risk = DOSE_{air} × CPF × ASF × ED/AT × FAH

It is important to note that this assessment serves simply as a disclosure document to providing a characterization of the background emissions that occupants of the proposed

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project may be exposed to. If you should have any questions regarding this assessment, please do not hesitate to contact me at (760) 473-1253.

Sincerely,
Ldn Consulting, Inc.



Jeremy Loudon

Attachments:

- A: AERMOD 1st and 2nd Floor
- B: EMFAC 2014 Emission Factors
- C: Cancer Risk Calculations (1st and 2nd Floor)

References:

CALTRANS. (2013). *2013 Traffic Volumes on California State Highways*. Retrieved 2015, from http://www.dot.ca.gov/hq/traffops/saferesr/trafdata/docs/2013_aadt_volumes.pdf

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Office of Environmental Health Hazard Assessment. (2015). *Hot Spot Guidelines*. Retrieved April 16, 2015, from http://www.oehha.ca.gov/air/hot_spots/index.html

1 HR Attach A - Aermod Output 1st Floor
AERMOD PRIME - (DATED 16216r)

AERMODPrMSPx VERSION
(C) COPYRIGHT 1998-2017, Trinity Consultants

Run Began on 8/08/2017 at 7:35:45

** BREEZE AERMOD
** Trinity Consultants
** VERSION 7.12

CO STARTING
CO TITLEONE PM10 Exhaust Interstate5 Operations Unmitigated Second Floor
CO MODELOPT DFAULT CONC
CO RUNORNOT RUN
CO AVERTIME ANNUAL
CO POLLUTID PM10
CO FINISHED

SO STARTING
SO ELEVUNIT METERS
SO LOCATION DDXFI3QM VOLUME 476299.1 3649265.7 23.10
** SRCDESCR I5
SO LOCATION DDXFI3QN VOLUME 476285.3 3649303.2 24.68
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SO LOCATION DDXFI3R8 VOLUME 476118.0 3650123.0 38.47
** SRCDESCR I5

HR Attach A - Aermod Output 1st Floor

SO LOCATION	DDXFI3R9	VOLUME	476112.4	3650162.6	38.72
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** SRCDESCR	I5				
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** SRCDESCR	I5				
SO LOCATION	DDXFI3RC	VOLUME	476095.5	3650281.4	40.42
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** SRCDESCR	I5				
SO SRCPARAM	DDXFI3QM	1.463341E-05	3	18.60465	2.790698
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SO SRCPARAM	DDXFI3QO	1.463341E-05	3	18.60465	2.790698
SO SRCPARAM	DDXFI3QP	1.463341E-05	3	18.60465	2.790698
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SO SRCPARAM	DDXFI3QR	1.463341E-05	3	18.60465	2.790698
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SO SRCPARAM	DDXFI3RH	1.463341E-05	3	18.60465	2.790698
SO SRCGROUP	ALL				
SO FINISHED					

RE STARTING					
RE ELEVUNIT	METERS				
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** SENSITIV					
** RCPDESCR	NW Building GF				
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** SENSITIV					
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** SENSITIV					
** RCPDESCR	WGF1GF				
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** SENSITIV					
** RCPDESCR	WRoundaboutBuildingFacadeGF				

HR Attach A - Aermod Output 1st Floor

RE DISCCART	476181.3	3650020.6	41	66.48
** SENSITIV				
** RCPDESCR	SWN1GF			
RE DISCCART	476181.7	3649976.6	41	68.58
** SENSITIV				
** RCPDESCR	SWFurthestRecToI5GF			
RE DISCCART	476184.5	3649949.9	41	68.58
** SENSITIV				
** RCPDESCR	SouthBuildingGF			
RE DISCCART	476217.7	3650119.9	41	99.69
** SENSITIV				
** RCPDESCR	NorthEastBuildingGF			
RE DISCCART	475591.0	3649244.5	17.72	56.1
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649244.5	7.53	56.1
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649244.5	6.19	56.1
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RE DISCCART	476079.0	3649244.5	30.56	50.81
** RCPDESCR	grid2			
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** RCPDESCR	grid2			
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** RCPDESCR	grid2			
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RE DISCCART	476384.0	3649244.5	20.41	79.97
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RE DISCCART	476445.0	3649244.5	10.47	80.74
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RE DISCCART	476628.0	3649244.5	8.79	86.5
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RE DISCCART	476689.0	3649244.5	9.91	86.5
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649244.5	9.87	88.38
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649308.5	19.11	56.1
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649308.5	6.56	56.1
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649308.5	5.6	56.1
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RE DISCCART	475774.0	3649308.5	4.73	56.1
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RE DISCCART	475835.0	3649308.5	3.66	50.81
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RE DISCCART	475896.0	3649308.5	4.62	67.28
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RE DISCCART	475957.0	3649308.5	8.74	67.28
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649308.5	30.53	50.81

HR Attach A - Aermod Output 1st Floor

** RCPDESCR	grid2				
RE DISCCART	476079.0	3649308.5	36.39	50.81	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3649308.5	38.72	50.81	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3649308.5	27.59	50.81	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3649308.5	24.82	50.81	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3649308.5	22.06	79.97	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3649308.5	27.31	79.33	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3649308.5	22.75	80.74	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3649308.5	22.53	80.74	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3649308.5	20.82	81.03	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3649308.5	22.71	81.03	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3649308.5	29.16	80.74	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3649308.5	14.91	88.08	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3649372.5	17.21	56.1	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3649372.5	8.09	61.77	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3649372.5	5.48	56.55	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3649372.5	4.09	56.1	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3649372.5	3.3	67.77	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3649372.5	4.93	68.58	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3649372.5	12.31	68.07	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3649372.5	36.42	50.81	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3649372.5	44.43	50.81	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3649372.5	44	50.81	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3649372.5	31.79	50.81	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3649372.5	26.89	68.07	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3649372.5	32.83	33.9	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3649372.5	32.24	79.67	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3649372.5	30.65	80.74	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3649372.5	28.67	80.74	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3649372.5	43.5	74.68	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3649372.5	44.65	74.68	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3649372.5	47.25	73.51	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3649372.5	24.93	86.5	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3649436.5	13.82	61.82	
** RCPDESCR	grid2				

HR Attach A - Aermod Output 1st Floor

RE DISCCART	475652.0	3649436.5	9.36	61.82
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649436.5	5.21	61.82
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649436.5	3.27	61.82
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649436.5	3.16	68.58
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649436.5	7.17	68.58
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649436.5	15.26	68.58
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649436.5	29.59	50.81
** RCPDESCR	grid2			
RE DISCCART	476079.0	3649436.5	47.89	48.87
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649436.5	49.97	49.97
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649436.5	30.6	68.58
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649436.5	28.58	79.34
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649436.5	35.42	67.44
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649436.5	33.69	79.97
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649436.5	35.54	80.74
** RCPDESCR	grid2			
RE DISCCART	476506.0	3649436.5	38.59	80.74
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649436.5	55.89	68.9
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649436.5	59.22	69.13
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649436.5	54.85	73.44
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649436.5	33.02	86.2
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649500.5	17.25	61.82
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649500.5	15.9	61.82
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649500.5	8.47	61.82
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649500.5	3.63	68.58
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649500.5	3.25	68.78
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649500.5	6.54	68.92
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649500.5	14.09	68.78
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649500.5	20.87	68.58
** RCPDESCR	grid2			
RE DISCCART	476079.0	3649500.5	33.63	50.81
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649500.5	37.68	50.81
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649500.5	31.35	68.92
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649500.5	34.12	69.41
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649500.5	40.1	68.58
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649500.5	42.92	75.43
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649500.5	47.6	57.36

HR Attach A - Aermod Output 1st Floor

** RCPDESCR	grid2				
RE DISCCART	476506.0	3649500.5	39.04	80.74	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3649500.5	48.46	79.97	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3649500.5	62.67	70	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3649500.5	68.3	68.3	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3649500.5	40.47	81.03	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3649564.5	30.02	38.92	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3649564.5	24.26	56.13	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3649564.5	16.85	61.09	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3649564.5	4.48	68.58	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3649564.5	4.15	68.92	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3649564.5	7.85	69.6	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3649564.5	13.22	69.6	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3649564.5	18.5	69.6	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3649564.5	24.52	69.59	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3649564.5	33.43	68.58	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3649564.5	32.62	70.01	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3649564.5	43.7	68.58	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3649564.5	44.31	68.58	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3649564.5	47.78	67.61	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3649564.5	52.5	57.36	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3649564.5	50.79	80.52	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3649564.5	56.6	79.97	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3649564.5	62.92	74.68	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3649564.5	70.32	70.32	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3649564.5	50.94	80.74	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3649628.5	37.25	38.29	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3649628.5	22.99	61.82	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3649628.5	11.72	61.82	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3649628.5	6.64	68.58	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3649628.5	5.34	69.59	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3649628.5	8.27	70.47	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3649628.5	15.83	69.6	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3649628.5	22.68	68.92	
** RCPDESCR	grid2				

HR Attach A - Aermod Output 1st Floor

RE DISCCART	476079.0	3649628.5	28.48	68.92
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649628.5	33.75	68.92
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649628.5	34.08	72.02
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649628.5	49.27	68.58
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649628.5	49.62	68.92
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649628.5	52.5	68.58
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649628.5	57.71	61.12
** RCPDESCR	grid2			
RE DISCCART	476506.0	3649628.5	57.21	79.97
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649628.5	62.65	79.97
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649628.5	67.17	79.33
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649628.5	72.4	72.4
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649628.5	66.9	75.01
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649692.5	29.4	61.82
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649692.5	18.58	61.82
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649692.5	12.66	61.82
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649692.5	7.49	68.58
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649692.5	5.9	69.6
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649692.5	11.14	69.6
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649692.5	17.3	69.6
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649692.5	26.59	68.92
** RCPDESCR	grid2			
RE DISCCART	476079.0	3649692.5	31.22	68.92
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649692.5	38.54	68.92
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649692.5	35.27	73.1
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649692.5	55.23	68.58
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649692.5	59.51	68.07
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649692.5	58.59	68.58
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649692.5	62.43	65.42
** RCPDESCR	grid2			
RE DISCCART	476506.0	3649692.5	62.39	79.97
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649692.5	68.73	78.35
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649692.5	72.69	79.67
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649692.5	75.39	75.39
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649692.5	72.32	77.45
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649756.5	26.53	61.82
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649756.5	30.67	58.69

HR Attach A - Aermod Output 1st Floor

** RCPDESCR	grid2				
RE DISCCART	475713.0	3649756.5	11.79	61.82	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3649756.5	8.31	68.58	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3649756.5	8.17	68.92	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3649756.5	12.23	69.6	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3649756.5	18.79	69.6	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3649756.5	25.59	69.59	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3649756.5	33.22	68.92	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3649756.5	38.3	68.92	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3649756.5	39.46	71.44	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3649756.5	55.98	68.58	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3649756.5	64.22	68.58	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3649756.5	67.29	67.29	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3649756.5	66.98	66.98	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3649756.5	66.1	78.84	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3649756.5	71.86	78.84	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3649756.5	77.65	78.35	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3649756.5	78.76	78.76	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3649756.5	74.03	80.74	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3649820.5	35.85	59.33	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3649820.5	29.97	59.16	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3649820.5	13.71	61.82	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3649820.5	9.37	68.58	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3649820.5	9.93	68.92	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3649820.5	12.42	69.62	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3649820.5	19.46	69.59	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3649820.5	26.75	68.92	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3649820.5	33.74	68.92	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3649820.5	37.13	69.6	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3649820.5	45.84	68.92	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3649820.5	53.19	68.78	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3649820.5	63.35	68.58	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3649820.5	67.33	67.33	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3649820.5	68.83	68.83	
** RCPDESCR	grid2				

HR Attach A - Aermod Output 1st Floor

RE DISCCART	476506.0	3649820.5	70.95	70.95
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649820.5	73.66	73.66
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649820.5	78.22	78.22
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649820.5	78.42	80.74
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649820.5	69.54	86.5
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649884.5	37.82	59.04
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649884.5	24.75	61.82
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649884.5	14.13	61.82
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649884.5	9.72	68.58
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649884.5	11.72	68.58
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649884.5	16.83	68.61
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649884.5	19.69	69.59
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649884.5	27.24	68.92
** RCPDESCR	grid2			
RE DISCCART	476079.0	3649884.5	33.28	68.78
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649884.5	38.86	68.92
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649884.5	46.51	68.58
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649884.5	50.74	68.78
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649884.5	56.5	68.61
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649884.5	61.64	67.83
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649884.5	65.55	67.29
** RCPDESCR	grid2			
RE DISCCART	476506.0	3649884.5	68.37	73.48
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649884.5	74.24	74.24
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649884.5	78.66	78.66
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649884.5	77.43	81.07
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649884.5	74.68	86.5
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649948.5	36.2	59.16
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649948.5	24.51	61.55
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649948.5	14.25	61.82
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649948.5	10.44	61.82
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649948.5	11.08	89.78
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649948.5	12.79	89.78
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649948.5	18.1	89.78
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649948.5	24.04	89.73
** RCPDESCR	grid2			
RE DISCCART	476079.0	3649948.5	31.39	68.78

HR Attach A - Aermod Output 1st Floor

** RCPDESCR	grid2				
RE DISCCART	476140.0	3649948.5	38.88	68.58	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3649948.5	43.12	68.61	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3649948.5	46.1	69.59	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3649948.5	50.86	70.04	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3649948.5	54.54	79.64	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3649948.5	58.53	84.8	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3649948.5	64.97	83.22	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3649948.5	71.87	80.38	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3649948.5	79.15	79.15	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3649948.5	82.59	82.59	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3649948.5	83.52	86.5	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3650012.5	29.06	60.22	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3650012.5	20.89	61.77	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3650012.5	13.98	61.82	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3650012.5	11.19	89.78	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3650012.5	12.44	89.78	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3650012.5	17.04	89.78	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3650012.5	18.8	98.23	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3650012.5	23.84	98.34	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3650012.5	29.63	98.23	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3650012.5	38.72	38.72	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3650012.5	41.06	68.58	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3650012.5	43.13	99.69	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3650012.5	47.43	99.69	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3650012.5	52.3	99.69	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3650012.5	58.52	99.69	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3650012.5	65.47	99.01	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3650012.5	72.8	74.34	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3650012.5	78.03	78.03	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3650012.5	83.52	83.52	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3650012.5	85.83	85.83	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3650076.5	24.28	60.38	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3650076.5	16.98	61.77	
** RCPDESCR	grid2				

HR Attach A - Aermod Output 1st Floor

RE DISCCART	475713.0	3650076.5	11.56	89.78
** RCPDESCR	grid2			
RE DISCCART	475774.0	3650076.5	12.34	89.78
** RCPDESCR	grid2			
RE DISCCART	475835.0	3650076.5	14.63	89.78
** RCPDESCR	grid2			
RE DISCCART	475896.0	3650076.5	17.25	96.5
** RCPDESCR	grid2			
RE DISCCART	475957.0	3650076.5	20.9	98.34
** RCPDESCR	grid2			
RE DISCCART	476018.0	3650076.5	24.48	98.92
** RCPDESCR	grid2			
RE DISCCART	476079.0	3650076.5	31.03	98.34
** RCPDESCR	grid2			
RE DISCCART	476140.0	3650076.5	38.89	96.5
** RCPDESCR	grid2			
RE DISCCART	476201.0	3650076.5	40.86	99.69
** RCPDESCR	grid2			
RE DISCCART	476262.0	3650076.5	42.89	99.69
** RCPDESCR	grid2			
RE DISCCART	476323.0	3650076.5	47.5	99.69
** RCPDESCR	grid2			
RE DISCCART	476384.0	3650076.5	52.44	99.69
** RCPDESCR	grid2			
RE DISCCART	476445.0	3650076.5	58	99.69
** RCPDESCR	grid2			
RE DISCCART	476506.0	3650076.5	64.53	99.69
** RCPDESCR	grid2			
RE DISCCART	476567.0	3650076.5	68.76	99.69
** RCPDESCR	grid2			
RE DISCCART	476628.0	3650076.5	73.61	99.69
** RCPDESCR	grid2			
RE DISCCART	476689.0	3650076.5	81.06	99.69
** RCPDESCR	grid2			
RE DISCCART	476750.0	3650076.5	85.09	85.09
** RCPDESCR	grid2			
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** RCPDESCR	grid2			
RE DISCCART	475713.0	3650140.5	12.75	89.78
** RCPDESCR	grid2			
RE DISCCART	475774.0	3650140.5	14.75	89.78
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RE DISCCART	475835.0	3650140.5	16.86	89.78
** RCPDESCR	grid2			
RE DISCCART	475896.0	3650140.5	18.5	98.23
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RE DISCCART	475957.0	3650140.5	23.54	98.34
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RE DISCCART	476079.0	3650140.5	33.8	98.34
** RCPDESCR	grid2			
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RE DISCCART	476201.0	3650140.5	41.03	99.69
** RCPDESCR	grid2			
RE DISCCART	476262.0	3650140.5	42.9	99.69
** RCPDESCR	grid2			
RE DISCCART	476323.0	3650140.5	47.25	99.69
** RCPDESCR	grid2			
RE DISCCART	476384.0	3650140.5	53.27	99.69
** RCPDESCR	grid2			
RE DISCCART	476445.0	3650140.5	59.71	99.69
** RCPDESCR	grid2			
RE DISCCART	476506.0	3650140.5	64.34	99.69

HR Attach A - Aermod Output 1st Floor

** RCPDESCR	grid2				
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** RCPDESCR	grid2				
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** RCPDESCR	grid2				
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** RCPDESCR	grid2				
RE DISCCART	475591.0	3650204.5	19.25	60.38	
** RCPDESCR	grid2				
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** RCPDESCR	grid2				
RE DISCCART	475713.0	3650204.5	18.46	89.78	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3650204.5	18.49	89.78	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3650204.5	21.2	89.78	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3650204.5	26.7	89.78	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3650204.5	30.15	89.78	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3650204.5	29.91	98.34	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3650204.5	37.6	98.23	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3650204.5	42.06	98.34	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3650204.5	43.27	99.69	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3650204.5	42.88	99.69	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3650204.5	47.16	99.69	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3650204.5	52.25	99.69	
** RCPDESCR	grid2				
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** RCPDESCR	grid2				
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** RCPDESCR	grid2				
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** RCPDESCR	grid2				
RE DISCCART	476689.0	3650204.5	85.19	99.69	
** RCPDESCR	grid2				
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** RCPDESCR	grid2				
RE DISCCART	475652.0	3650268.5	18.6	37.55	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3650268.5	21.23	89.78	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3650268.5	24	89.78	
** RCPDESCR	grid2				
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** RCPDESCR	grid2				
RE DISCCART	475896.0	3650268.5	29.93	89.78	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3650268.5	33.97	89.78	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3650268.5	35.44	96.38	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3650268.5	38.53	98.34	
** RCPDESCR	grid2				

HR Attach A - Aermod Output 1st Floor

RE DISCCART	476140.0	3650268.5	42.61	98.34
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** RCPDESCR	grid2			
RE DISCCART	476323.0	3650268.5	49.33	99.69
** RCPDESCR	grid2			
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** RCPDESCR	grid2			
RE DISCCART	476506.0	3650268.5	64.03	99.69
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RE DISCCART	476567.0	3650268.5	70.3	99.69
** RCPDESCR	grid2			
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RE DISCCART	476750.0	3650268.5	98.25	98.25
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** RCPDESCR	grid2			
RE DISCCART	475896.0	3650332.5	35.3	89.78
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RE DISCCART	476079.0	3650332.5	41.19	96.61
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HR Attach A - Aermod Output 1st Floor

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** RCPDESCR	grid2				
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** RCPDESCR	grid2				
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RE DISCCART	476018.0	3650396.5	44.83	89.78	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3650396.5	41.87	96.61	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3650396.5	52.04	89.78	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3650396.5	58.91	89.78	
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RE DISCCART	476323.0	3650396.5	66.51	96.5	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3650396.5	65.57	98.34	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3650396.5	66.61	98.73	
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RE DISCCART	476506.0	3650396.5	72.24	98.73	
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RE DISCCART	476567.0	3650396.5	86.76	98.34	
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RE DISCCART	476689.0	3650396.5	96.04	98.26	
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RE DISCCART	476750.0	3650396.5	86.52	98.98	
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** RCPDESCR	grid2				
RE DISCCART	475896.0	3650460.5	46.26	52.71	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3650460.5	52.2	52.2	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3650460.5	50.73	89.78	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3650460.5	41.74	96.5	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3650460.5	55.89	89.78	
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RE DISCCART	476384.0	3650460.5	75.46	89.78	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3650460.5	78.87	96.38	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3650460.5	84.07	96.38	
** RCPDESCR	grid2				

HR Attach A - Aermod Output 1st Floor

RE DISCCART 476567.0 3650460.5 91.46 91.46
 ** RCPDESCR grid2
 RE DISCCART 476628.0 3650460.5 86.45 98.34
 ** RCPDESCR grid2
 RE DISCCART 476689.0 3650460.5 76.13 99.69
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 RE DISCCART 476750.0 3650460.5 73.57 99.69
 ** RCPDESCR grid2
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 ** PROFFILE "C:\Users\ryan_000\OneDrive\LDNWOR~1\GENEVI~1\4-12-16\AQMODE~1\BREEZE~1\KMA_20~1\KMA2012V15181.PFL"
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 ME UAIRDATA 3190 2012 KERNEYESACLOSESTMEDDATATOSITE
 ME SITEDATA 00001016 2012 KERNEYESACLOSESTMEDDATATOSITE
 ME PROFBASE 20 METERS
 ME STARTEND 2012 1 1 1 2012 12 31 24
 ME FINISHED

OU STARTING
 OU FILEFORM FIX
 OU PLOTFILE ANNUAL ALL ALL`ANNUAL.plt 10000
 OU FINISHED

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 ** It is recommended that the user not edit any data below this line
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 ** BUILDING IDN DDXFI008
 ** BUILDING NAM Building
 ** BUILDING CRN 476218.2 3650119.7
 ** BUILDING CRN 476193.8 3650119.8
 ** BUILDING CRN 476186.6 3650114.9
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HR Attach A - Aermod Output 1st Floor

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** BUILDING CRN 476207.9 3650078.7
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** BUILDING CRN 476206.4 3650082.4
** BUILDING CRN 476205.4 3650088.5
** BUILDING CRN 476207.1 3650088.8
** BUILDING CRN 476205.4 3650099.4
** BUILDING CRN 476206.8 3650101
** BUILDING CRN 476218.3 3650101.7
** BUILDING CRN 476218.2 3650104.8
** BUILDING CRN 476218.2 3650119.7

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** TAG CRD
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** TAG PRM 0 2 F F 1 255,0,0,0
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HR Attach A - Aermod Output 1st Floor

** AMPTYPE NED
 ** AMPDATUM 2
 ** AMPZONE 11
 ** AMPHEMISPHERE N

** PROJECTION UTM
 ** DATUM WGE
 ** UNITS METER
 ** ZONE 11
 ** HEMISPHERE N
 ** ORIGINLON 0
 ** ORIGINLAT 0
 ** PARALLEL1 0
 ** PARALLEL2 0
 ** AZIMUTH 0
 ** SCALEFACT 0
 ** FALSEEAST 0
 ** FALSENORTH 0

** POSTFMT UNIFORM
 ** TEMPLATE USERDEFINED
 ** AERMODEXE AERMOD_BREEZE_16216.EXE
 ** AERMAPEXE AERMAP_EPA_11103.EXE

 *** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
 08/08/17
 *** AERMET - VERSION 15181 *** ***
 07:35:45 ***

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:
 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

HR Attach A - Aermod Output 1st Floor

**This Run Includes: 32 Source(s); 1 Source Group(s); and 408 Receptor(s)

with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 32 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: 15181

**Output Options Selected:
 Model Outputs Tables of ANNUAL Averages by Receptor
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE 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) = 20.00 ; 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 = 3.6 MB of RAM.

**Input Runstream File: AERMOD.INP

**Output Print File: AERMOD.OUT

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
DDXFI3QM	0	0.14633E-04	476299.1	3649265.7	23.1	3.00	18.60	2.79	NO	
DDXFI3QN	0	0.14633E-04	476285.3	3649303.2	24.7	3.00	18.60	2.79	NO	
DDXFI3QO	0	0.14633E-04	476271.5	3649340.8	25.9	3.00	18.60	2.79	NO	
DDXFI3QP	0	0.14633E-04	476257.7	3649378.3	27.1	3.00	18.60	2.79	NO	
DDXFI3QQ	0	0.14633E-04	476244.2	3649415.9	28.3	3.00	18.60	2.79	NO	
DDXFI3QR	0	0.14633E-04	476233.5	3649454.5	29.5	3.00	18.60	2.79	NO	
DDXFI3QS	0	0.14633E-04	476222.8	3649493.0	30.6	3.00	18.60	2.79	NO	
DDXFI3QT	0	0.14633E-04	476212.1	3649531.6	31.7	3.00	18.60	2.79	NO	
DDXFI3QU	0	0.14633E-04	476201.4	3649570.1	32.7	3.00	18.60	2.79	NO	
DDXFI3QV	0	0.14633E-04	476190.7	3649608.7	33.8	3.00	18.60	2.79	NO	
DDXFI3QW	0	0.14633E-04	476180.1	3649647.2	34.7	3.00	18.60	2.79	NO	
DDXFI3QX	0	0.14633E-04	476173.2	3649686.5	35.4	3.00	18.60	2.79	NO	
DDXFI3QY	0	0.14633E-04	476168.8	3649726.3	35.8	3.00	18.60	2.79	NO	
DDXFI3QZ	0	0.14633E-04	476164.4	3649766.0	36.8	3.00	18.60	2.79	NO	

HR Attach A - Aermod Output 1st Floor

DDXFI3R0	0	0.14633E-04	476160.0	3649805.8	37.3	3.00	18.60	2.79	NO
DDXFI3R1	0	0.14633E-04	476155.6	3649845.5	36.8	3.00	18.60	2.79	NO
DDXFI3R2	0	0.14633E-04	476151.2	3649885.3	39.8	3.00	18.60	2.79	NO
DDXFI3R3	0	0.14633E-04	476146.2	3649925.0	39.2	3.00	18.60	2.79	NO
DDXFI3R4	0	0.14633E-04	476140.6	3649964.6	38.9	3.00	18.60	2.79	NO
DDXFI3R5	0	0.14633E-04	476135.0	3650004.2	38.5	3.00	18.60	2.79	NO
DDXFI3R6	0	0.14633E-04	476129.3	3650043.8	38.4	3.00	18.60	2.79	NO
DDXFI3R7	0	0.14633E-04	476123.7	3650083.4	38.4	3.00	18.60	2.79	NO
DDXFI3R8	0	0.14633E-04	476118.0	3650123.0	38.5	3.00	18.60	2.79	NO
DDXFI3R9	0	0.14633E-04	476112.4	3650162.6	38.7	3.00	18.60	2.79	NO
DDXFI3RA	0	0.14633E-04	476106.8	3650202.2	39.3	3.00	18.60	2.79	NO
DDXFI3RB	0	0.14633E-04	476101.1	3650241.8	39.6	3.00	18.60	2.79	NO
DDXFI3RC	0	0.14633E-04	476095.5	3650281.4	40.4	3.00	18.60	2.79	NO
DDXFI3RD	0	0.14633E-04	476089.9	3650321.0	41.5	3.00	18.60	2.79	NO
DDXFI3RE	0	0.14633E-04	476084.2	3650360.6	41.8	3.00	18.60	2.79	NO
DDXFI3RF	0	0.14633E-04	476078.6	3650400.2	41.9	3.00	18.60	2.79	NO
DDXFI3RG	0	0.14633E-04	476072.9	3650439.8	41.7	3.00	18.60	2.79	NO
DDXFI3RH	0	0.14633E-04	476067.3	3650479.4	41.8	3.00	18.60	2.79	NO

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP , DDXFI3QQ , DDXFI3QR , DDXFI3QS ,
DDXFI3QT	,
	DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX , DDXFI3QY , DDXFI3QZ , DDXFI3R0 ,
DDXFI3R1	,
	DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 , DDXFI3R6 , DDXFI3R7 , DDXFI3R8 ,
DDXFI3R9	,
	DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD , DDXFI3RE , DDXFI3RF , DDXFI3RG ,
DDXFI3RH	,

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

(475591.0, 3649244.5, 17.7, 56.1, 0.0);	(475652.0, 3649244.5, 7.5, 56.1, 0.0);
(475713.0, 3649244.5, 6.2, 56.1, 0.0);	(475774.0, 3649244.5, 4.8, 56.1, 0.0);
(475835.0, 3649244.5, 3.5, 50.8, 0.0);	(475896.0, 3649244.5, 5.4, 50.8, 0.0);
(475957.0, 3649244.5, 29.7, 31.9, 0.0);	(476018.0, 3649244.5, 30.9, 48.9, 0.0);
(476079.0, 3649244.5, 30.6, 50.8, 0.0);	(476140.0, 3649244.5, 35.2, 39.9, 0.0);
(476201.0, 3649244.5, 20.4, 50.8, 0.0);	(476262.0, 3649244.5, 21.6, 50.8, 0.0);

HR Attach A - Aermod Output 1st Floor

0.0);
 (476323.0, 3649244.5, 22.6, 70.2, 0.0); (476384.0, 3649244.5, 20.4, 80.0,
 0.0);
 (476445.0, 3649244.5, 10.5, 80.7, 0.0); (476506.0, 3649244.5, 10.2, 85.8,
 0.0);
 (476567.0, 3649244.5, 8.8, 86.5, 0.0); (476628.0, 3649244.5, 8.8, 86.5,
 0.0);
 (476689.0, 3649244.5, 9.9, 86.5, 0.0); (476750.0, 3649244.5, 9.9, 88.4,
 0.0);
 (475591.0, 3649308.5, 19.1, 56.1, 0.0); (475652.0, 3649308.5, 6.6, 56.1,
 0.0);
 (475713.0, 3649308.5, 5.6, 56.1, 0.0); (475774.0, 3649308.5, 4.7, 56.1,
 0.0);
 (475835.0, 3649308.5, 3.7, 50.8, 0.0); (475896.0, 3649308.5, 4.6, 67.3,
 0.0);
 (475957.0, 3649308.5, 8.7, 67.3, 0.0); (476018.0, 3649308.5, 30.5, 50.8,
 0.0);
 (476079.0, 3649308.5, 36.4, 50.8, 0.0); (476140.0, 3649308.5, 38.7, 50.8,
 0.0);
 (476201.0, 3649308.5, 27.6, 50.8, 0.0); (476262.0, 3649308.5, 24.8, 50.8,
 0.0);
 (476323.0, 3649308.5, 22.1, 80.0, 0.0); (476384.0, 3649308.5, 27.3, 79.3,
 0.0);
 (476445.0, 3649308.5, 22.8, 80.7, 0.0); (476506.0, 3649308.5, 22.5, 80.7,
 0.0);
 (476567.0, 3649308.5, 20.8, 81.0, 0.0); (476628.0, 3649308.5, 22.7, 81.0,
 0.0);
 (476689.0, 3649308.5, 29.2, 80.7, 0.0); (476750.0, 3649308.5, 14.9, 88.1,
 0.0);
 (475591.0, 3649372.5, 17.2, 56.1, 0.0); (475652.0, 3649372.5, 8.1, 61.8,
 0.0);
 (475713.0, 3649372.5, 5.5, 56.5, 0.0); (475774.0, 3649372.5, 4.1, 56.1,
 0.0);
 (475835.0, 3649372.5, 3.3, 67.8, 0.0); (475896.0, 3649372.5, 4.9, 68.6,
 0.0);
 (475957.0, 3649372.5, 12.3, 68.1, 0.0); (476018.0, 3649372.5, 36.4, 50.8,
 0.0);
 (476079.0, 3649372.5, 44.4, 50.8, 0.0); (476140.0, 3649372.5, 44.0, 50.8,
 0.0);
 (476201.0, 3649372.5, 31.8, 50.8, 0.0); (476262.0, 3649372.5, 26.9, 68.1,
 0.0);
 (476323.0, 3649372.5, 32.8, 33.9, 0.0); (476384.0, 3649372.5, 32.2, 79.7,
 0.0);
 (476445.0, 3649372.5, 30.7, 80.7, 0.0); (476506.0, 3649372.5, 28.7, 80.7,
 0.0);
 (476567.0, 3649372.5, 43.5, 74.7, 0.0); (476628.0, 3649372.5, 44.6, 74.7,
 0.0);
 (476689.0, 3649372.5, 47.2, 73.5, 0.0); (476750.0, 3649372.5, 24.9, 86.5,
 0.0);
 (475591.0, 3649436.5, 13.8, 61.8, 0.0); (475652.0, 3649436.5, 9.4, 61.8,
 0.0);
 (475713.0, 3649436.5, 5.2, 61.8, 0.0); (475774.0, 3649436.5, 3.3, 61.8,
 0.0);
 (475835.0, 3649436.5, 3.2, 68.6, 0.0); (475896.0, 3649436.5, 7.2, 68.6,
 0.0);
 (475957.0, 3649436.5, 15.3, 68.6, 0.0); (476018.0, 3649436.5, 29.6, 50.8,
 0.0);
 (476079.0, 3649436.5, 47.9, 48.9, 0.0); (476140.0, 3649436.5, 50.0, 50.0,
 0.0);
 (476201.0, 3649436.5, 30.6, 68.6, 0.0); (476262.0, 3649436.5, 28.6, 79.3,
 0.0);
 (476323.0, 3649436.5, 35.4, 67.4, 0.0); (476384.0, 3649436.5, 33.7, 80.0,
 0.0);
 (476445.0, 3649436.5, 35.5, 80.7, 0.0); (476506.0, 3649436.5, 38.6, 80.7,
 0.0);
 (476567.0, 3649436.5, 55.9, 68.9, 0.0); (476628.0, 3649436.5, 59.2, 69.1,
 0.0);

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(476689.0, 3649436.5,	54.8,	73.4,	0.0);	(476750.0, 3649436.5,	33.0,	86.2,
0.0);						
(475591.0, 3649500.5,	17.2,	61.8,	0.0);	(475652.0, 3649500.5,	15.9,	61.8,
0.0);						
(475713.0, 3649500.5,	8.5,	61.8,	0.0);	(475774.0, 3649500.5,	3.6,	68.6,
0.0);						
(475835.0, 3649500.5,	3.2,	68.8,	0.0);	(475896.0, 3649500.5,	6.5,	68.9,
0.0);						
(475957.0, 3649500.5,	14.1,	68.8,	0.0);	(476018.0, 3649500.5,	20.9,	68.6,
0.0);						
(476079.0, 3649500.5,	33.6,	50.8,	0.0);	(476140.0, 3649500.5,	37.7,	50.8,
0.0);						

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

(476201.0, 3649500.5,	31.4,	68.9,	0.0);	(476262.0, 3649500.5,	34.1,	69.4,
0.0);						
(476323.0, 3649500.5,	40.1,	68.6,	0.0);	(476384.0, 3649500.5,	42.9,	75.4,
0.0);						
(476445.0, 3649500.5,	47.6,	57.4,	0.0);	(476506.0, 3649500.5,	39.0,	80.7,
0.0);						
(476567.0, 3649500.5,	48.5,	80.0,	0.0);	(476628.0, 3649500.5,	62.7,	70.0,
0.0);						
(476689.0, 3649500.5,	68.3,	68.3,	0.0);	(476750.0, 3649500.5,	40.5,	81.0,
0.0);						
(475591.0, 3649564.5,	30.0,	38.9,	0.0);	(475652.0, 3649564.5,	24.3,	56.1,
0.0);						
(475713.0, 3649564.5,	16.9,	61.1,	0.0);	(475774.0, 3649564.5,	4.5,	68.6,
0.0);						
(475835.0, 3649564.5,	4.1,	68.9,	0.0);	(475896.0, 3649564.5,	7.8,	69.6,
0.0);						
(475957.0, 3649564.5,	13.2,	69.6,	0.0);	(476018.0, 3649564.5,	18.5,	69.6,
0.0);						
(476079.0, 3649564.5,	24.5,	69.6,	0.0);	(476140.0, 3649564.5,	33.4,	68.6,
0.0);						
(476201.0, 3649564.5,	32.6,	70.0,	0.0);	(476262.0, 3649564.5,	43.7,	68.6,
0.0);						
(476323.0, 3649564.5,	44.3,	68.6,	0.0);	(476384.0, 3649564.5,	47.8,	67.6,
0.0);						
(476445.0, 3649564.5,	52.5,	57.4,	0.0);	(476506.0, 3649564.5,	50.8,	80.5,
0.0);						
(476567.0, 3649564.5,	56.6,	80.0,	0.0);	(476628.0, 3649564.5,	62.9,	74.7,
0.0);						
(476689.0, 3649564.5,	70.3,	70.3,	0.0);	(476750.0, 3649564.5,	50.9,	80.7,
0.0);						
(475591.0, 3649628.5,	37.2,	38.3,	0.0);	(475652.0, 3649628.5,	23.0,	61.8,
0.0);						
(475713.0, 3649628.5,	11.7,	61.8,	0.0);	(475774.0, 3649628.5,	6.6,	68.6,
0.0);						
(475835.0, 3649628.5,	5.3,	69.6,	0.0);	(475896.0, 3649628.5,	8.3,	70.5,
0.0);						
(475957.0, 3649628.5,	15.8,	69.6,	0.0);	(476018.0, 3649628.5,	22.7,	68.9,
0.0);						
(476079.0, 3649628.5,	28.5,	68.9,	0.0);	(476140.0, 3649628.5,	33.8,	68.9,
0.0);						
(476201.0, 3649628.5,	34.1,	72.0,	0.0);	(476262.0, 3649628.5,	49.3,	68.6,
0.0);						
(476323.0, 3649628.5,	49.6,	68.9,	0.0);	(476384.0, 3649628.5,	52.5,	68.6,

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0.0);							
(476445.0, 3649628.5,	57.7,	61.1,	0.0);	(476506.0, 3649628.5,	57.2,	80.0,	
0.0);							
(476567.0, 3649628.5,	62.6,	80.0,	0.0);	(476628.0, 3649628.5,	67.2,	79.3,	
0.0);							
(476689.0, 3649628.5,	72.4,	72.4,	0.0);	(476750.0, 3649628.5,	66.9,	75.0,	
0.0);							
(475591.0, 3649692.5,	29.4,	61.8,	0.0);	(475652.0, 3649692.5,	18.6,	61.8,	
0.0);							
(475713.0, 3649692.5,	12.7,	61.8,	0.0);	(475774.0, 3649692.5,	7.5,	68.6,	
0.0);							
(475835.0, 3649692.5,	5.9,	69.6,	0.0);	(475896.0, 3649692.5,	11.1,	69.6,	
0.0);							
(475957.0, 3649692.5,	17.3,	69.6,	0.0);	(476018.0, 3649692.5,	26.6,	68.9,	
0.0);							
(476079.0, 3649692.5,	31.2,	68.9,	0.0);	(476140.0, 3649692.5,	38.5,	68.9,	
0.0);							
(476201.0, 3649692.5,	35.3,	73.1,	0.0);	(476262.0, 3649692.5,	55.2,	68.6,	
0.0);							
(476323.0, 3649692.5,	59.5,	68.1,	0.0);	(476384.0, 3649692.5,	58.6,	68.6,	
0.0);							
(476445.0, 3649692.5,	62.4,	65.4,	0.0);	(476506.0, 3649692.5,	62.4,	80.0,	
0.0);							
(476567.0, 3649692.5,	68.7,	78.3,	0.0);	(476628.0, 3649692.5,	72.7,	79.7,	
0.0);							
(476689.0, 3649692.5,	75.4,	75.4,	0.0);	(476750.0, 3649692.5,	72.3,	77.5,	
0.0);							
(475591.0, 3649756.5,	26.5,	61.8,	0.0);	(475652.0, 3649756.5,	30.7,	58.7,	
0.0);							
(475713.0, 3649756.5,	11.8,	61.8,	0.0);	(475774.0, 3649756.5,	8.3,	68.6,	
0.0);							
(475835.0, 3649756.5,	8.2,	68.9,	0.0);	(475896.0, 3649756.5,	12.2,	69.6,	
0.0);							
(475957.0, 3649756.5,	18.8,	69.6,	0.0);	(476018.0, 3649756.5,	25.6,	69.6,	
0.0);							
(476079.0, 3649756.5,	33.2,	68.9,	0.0);	(476140.0, 3649756.5,	38.3,	68.9,	
0.0);							
(476201.0, 3649756.5,	39.5,	71.4,	0.0);	(476262.0, 3649756.5,	56.0,	68.6,	
0.0);							
(476323.0, 3649756.5,	64.2,	68.6,	0.0);	(476384.0, 3649756.5,	67.3,	67.3,	
0.0);							
(476445.0, 3649756.5,	67.0,	67.0,	0.0);	(476506.0, 3649756.5,	66.1,	78.8,	
0.0);							
(476567.0, 3649756.5,	71.9,	78.8,	0.0);	(476628.0, 3649756.5,	77.6,	78.3,	
0.0);							
(476689.0, 3649756.5,	78.8,	78.8,	0.0);	(476750.0, 3649756.5,	74.0,	80.7,	
0.0);							

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*** MODELOPTs: RegDFault CONC ELEV RURAL

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

(475591.0, 3649820.5,	35.8,	59.3,	0.0);	(475652.0, 3649820.5,	30.0,	59.2,	
0.0);							
(475713.0, 3649820.5,	13.7,	61.8,	0.0);	(475774.0, 3649820.5,	9.4,	68.6,	
0.0);							
(475835.0, 3649820.5,	9.9,	68.9,	0.0);	(475896.0, 3649820.5,	12.4,	69.6,	
0.0);							
(475957.0, 3649820.5,	19.5,	69.6,	0.0);	(476018.0, 3649820.5,	26.8,	68.9,	
0.0);							

HR Attach A - Aermod Output 1st Floor

(476079.0, 3649820.5, 0.0);	33.7,	68.9,	0.0);	(476140.0, 3649820.5, 0.0);	37.1,	69.6,
(476201.0, 3649820.5, 0.0);	45.8,	68.9,	0.0);	(476262.0, 3649820.5, 0.0);	53.2,	68.8,
(476323.0, 3649820.5, 0.0);	63.3,	68.6,	0.0);	(476384.0, 3649820.5, 0.0);	67.3,	67.3,
(476445.0, 3649820.5, 0.0);	68.8,	68.8,	0.0);	(476506.0, 3649820.5, 0.0);	71.0,	71.0,
(476567.0, 3649820.5, 0.0);	73.7,	73.7,	0.0);	(476628.0, 3649820.5, 0.0);	78.2,	78.2,
(476689.0, 3649820.5, 0.0);	78.4,	80.7,	0.0);	(476750.0, 3649820.5, 0.0);	69.5,	86.5,
(475591.0, 3649884.5, 0.0);	37.8,	59.0,	0.0);	(475652.0, 3649884.5, 0.0);	24.8,	61.8,
(475713.0, 3649884.5, 0.0);	14.1,	61.8,	0.0);	(475774.0, 3649884.5, 0.0);	9.7,	68.6,
(475835.0, 3649884.5, 0.0);	11.7,	68.6,	0.0);	(475896.0, 3649884.5, 0.0);	16.8,	68.6,
(475957.0, 3649884.5, 0.0);	19.7,	69.6,	0.0);	(476018.0, 3649884.5, 0.0);	27.2,	68.9,
(476079.0, 3649884.5, 0.0);	33.3,	68.8,	0.0);	(476140.0, 3649884.5, 0.0);	38.9,	68.9,
(476201.0, 3649884.5, 0.0);	46.5,	68.6,	0.0);	(476262.0, 3649884.5, 0.0);	50.7,	68.8,
(476323.0, 3649884.5, 0.0);	56.5,	68.6,	0.0);	(476384.0, 3649884.5, 0.0);	61.6,	67.8,
(476445.0, 3649884.5, 0.0);	65.5,	67.3,	0.0);	(476506.0, 3649884.5, 0.0);	68.4,	73.5,
(476567.0, 3649884.5, 0.0);	74.2,	74.2,	0.0);	(476628.0, 3649884.5, 0.0);	78.7,	78.7,
(476689.0, 3649884.5, 0.0);	77.4,	81.1,	0.0);	(476750.0, 3649884.5, 0.0);	74.7,	86.5,
(475591.0, 3649948.5, 0.0);	36.2,	59.2,	0.0);	(475652.0, 3649948.5, 0.0);	24.5,	61.5,
(475713.0, 3649948.5, 0.0);	14.2,	61.8,	0.0);	(475774.0, 3649948.5, 0.0);	10.4,	61.8,
(475835.0, 3649948.5, 0.0);	11.1,	89.8,	0.0);	(475896.0, 3649948.5, 0.0);	12.8,	89.8,
(475957.0, 3649948.5, 0.0);	18.1,	89.8,	0.0);	(476018.0, 3649948.5, 0.0);	24.0,	89.7,
(476079.0, 3649948.5, 0.0);	31.4,	68.8,	0.0);	(476140.0, 3649948.5, 0.0);	38.9,	68.6,
(476201.0, 3649948.5, 0.0);	43.1,	68.6,	0.0);	(476262.0, 3649948.5, 0.0);	46.1,	69.6,
(476323.0, 3649948.5, 0.0);	50.9,	70.0,	0.0);	(476384.0, 3649948.5, 0.0);	54.5,	79.6,
(476445.0, 3649948.5, 0.0);	58.5,	84.8,	0.0);	(476506.0, 3649948.5, 0.0);	65.0,	83.2,
(476567.0, 3649948.5, 0.0);	71.9,	80.4,	0.0);	(476628.0, 3649948.5, 0.0);	79.1,	79.1,
(476689.0, 3649948.5, 0.0);	82.6,	82.6,	0.0);	(476750.0, 3649948.5, 0.0);	83.5,	86.5,
(475591.0, 3650012.5, 0.0);	29.1,	60.2,	0.0);	(475652.0, 3650012.5, 0.0);	20.9,	61.8,
(475713.0, 3650012.5, 0.0);	14.0,	61.8,	0.0);	(475774.0, 3650012.5, 0.0);	11.2,	89.8,
(475835.0, 3650012.5, 0.0);	12.4,	89.8,	0.0);	(475896.0, 3650012.5, 0.0);	17.0,	89.8,
(475957.0, 3650012.5, 0.0);	18.8,	98.2,	0.0);	(476018.0, 3650012.5, 0.0);	23.8,	98.3,
(476079.0, 3650012.5, 0.0);	29.6,	98.2,	0.0);	(476140.0, 3650012.5, 0.0);	38.7,	38.7,
(476201.0, 3650012.5, 0.0);	41.1,	68.6,	0.0);	(476262.0, 3650012.5, 0.0);	43.1,	99.7,
(476323.0, 3650012.5, 0.0);	47.4,	99.7,	0.0);	(476384.0, 3650012.5, 0.0);	52.3,	99.7,
(476445.0, 3650012.5, 0.0);	58.5,	99.7,	0.0);	(476506.0, 3650012.5, 0.0);	65.5,	99.0,

HR Attach A - Aermod Output 1st Floor

0.0);							
(476567.0, 3650012.5,	72.8,	74.3,	0.0);	(476628.0, 3650012.5,	78.0,	78.0,	
0.0);							
(476689.0, 3650012.5,	83.5,	83.5,	0.0);	(476750.0, 3650012.5,	85.8,	85.8,	
0.0);							
(475591.0, 3650076.5,	24.3,	60.4,	0.0);	(475652.0, 3650076.5,	17.0,	61.8,	
0.0);							
(475713.0, 3650076.5,	11.6,	89.8,	0.0);	(475774.0, 3650076.5,	12.3,	89.8,	
0.0);							
(475835.0, 3650076.5,	14.6,	89.8,	0.0);	(475896.0, 3650076.5,	17.2,	96.5,	
0.0);							
(475957.0, 3650076.5,	20.9,	98.3,	0.0);	(476018.0, 3650076.5,	24.5,	98.9,	
0.0);							
(476079.0, 3650076.5,	31.0,	98.3,	0.0);	(476140.0, 3650076.5,	38.9,	96.5,	
0.0);							

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

(476201.0, 3650076.5,	40.9,	99.7,	0.0);	(476262.0, 3650076.5,	42.9,	99.7,	
0.0);							
(476323.0, 3650076.5,	47.5,	99.7,	0.0);	(476384.0, 3650076.5,	52.4,	99.7,	
0.0);							
(476445.0, 3650076.5,	58.0,	99.7,	0.0);	(476506.0, 3650076.5,	64.5,	99.7,	
0.0);							
(476567.0, 3650076.5,	68.8,	99.7,	0.0);	(476628.0, 3650076.5,	73.6,	99.7,	
0.0);							
(476689.0, 3650076.5,	81.1,	99.7,	0.0);	(476750.0, 3650076.5,	85.1,	85.1,	
0.0);							
(475591.0, 3650140.5,	20.8,	60.4,	0.0);	(475652.0, 3650140.5,	16.5,	60.4,	
0.0);							
(475713.0, 3650140.5,	12.8,	89.8,	0.0);	(475774.0, 3650140.5,	14.8,	89.8,	
0.0);							
(475835.0, 3650140.5,	16.9,	89.8,	0.0);	(475896.0, 3650140.5,	18.5,	98.2,	
0.0);							
(475957.0, 3650140.5,	23.5,	98.3,	0.0);	(476018.0, 3650140.5,	26.7,	98.3,	
0.0);							
(476079.0, 3650140.5,	33.8,	98.3,	0.0);	(476140.0, 3650140.5,	39.5,	98.3,	
0.0);							
(476201.0, 3650140.5,	41.0,	99.7,	0.0);	(476262.0, 3650140.5,	42.9,	99.7,	
0.0);							
(476323.0, 3650140.5,	47.2,	99.7,	0.0);	(476384.0, 3650140.5,	53.3,	99.7,	
0.0);							
(476445.0, 3650140.5,	59.7,	99.7,	0.0);	(476506.0, 3650140.5,	64.3,	99.7,	
0.0);							
(476567.0, 3650140.5,	69.1,	99.7,	0.0);	(476628.0, 3650140.5,	74.0,	99.7,	
0.0);							
(476689.0, 3650140.5,	80.9,	99.7,	0.0);	(476750.0, 3650140.5,	84.9,	99.7,	
0.0);							
(475591.0, 3650204.5,	19.2,	60.4,	0.0);	(475652.0, 3650204.5,	14.7,	89.7,	
0.0);							
(475713.0, 3650204.5,	18.5,	89.8,	0.0);	(475774.0, 3650204.5,	18.5,	89.8,	
0.0);							
(475835.0, 3650204.5,	21.2,	89.8,	0.0);	(475896.0, 3650204.5,	26.7,	89.8,	
0.0);							
(475957.0, 3650204.5,	30.2,	89.8,	0.0);	(476018.0, 3650204.5,	29.9,	98.3,	
0.0);							
(476079.0, 3650204.5,	37.6,	98.2,	0.0);	(476140.0, 3650204.5,	42.1,	98.3,	
0.0);							

HR Attach A - Aermod Output 1st Floor

(476201.0, 3650204.5, 43.3, 99.7, 0.0);	(476262.0, 3650204.5, 42.9, 99.7, 0.0);
(476323.0, 3650204.5, 47.2, 99.7, 0.0);	(476384.0, 3650204.5, 52.2, 99.7, 0.0);
(476445.0, 3650204.5, 59.3, 99.7, 0.0);	(476506.0, 3650204.5, 66.8, 99.7, 0.0);
(476567.0, 3650204.5, 71.9, 99.7, 0.0);	(476628.0, 3650204.5, 76.4, 99.7, 0.0);
(476689.0, 3650204.5, 85.2, 99.7, 0.0);	(476750.0, 3650204.5, 93.2, 99.7, 0.0);
(475591.0, 3650268.5, 18.4, 60.4, 0.0);	(475652.0, 3650268.5, 18.6, 37.5, 0.0);
(475713.0, 3650268.5, 21.2, 89.8, 0.0);	(475774.0, 3650268.5, 24.0, 89.8, 0.0);
(475835.0, 3650268.5, 26.5, 89.8, 0.0);	(475896.0, 3650268.5, 29.9, 89.8, 0.0);
(475957.0, 3650268.5, 34.0, 89.8, 0.0);	(476018.0, 3650268.5, 35.4, 96.4, 0.0);
(476079.0, 3650268.5, 38.5, 98.3, 0.0);	(476140.0, 3650268.5, 42.6, 98.3, 0.0);
(476201.0, 3650268.5, 48.0, 98.3, 0.0);	(476262.0, 3650268.5, 48.8, 99.7, 0.0);
(476323.0, 3650268.5, 49.3, 99.7, 0.0);	(476384.0, 3650268.5, 52.9, 99.7, 0.0);
(476445.0, 3650268.5, 58.7, 99.7, 0.0);	(476506.0, 3650268.5, 64.0, 99.7, 0.0);
(476567.0, 3650268.5, 70.3, 99.7, 0.0);	(476628.0, 3650268.5, 76.0, 99.7, 0.0);
(476689.0, 3650268.5, 84.4, 99.7, 0.0);	(476750.0, 3650268.5, 98.2, 98.2, 0.0);
(475591.0, 3650332.5, 18.3, 60.4, 0.0);	(475652.0, 3650332.5, 19.4, 89.1, 0.0);
(475713.0, 3650332.5, 24.7, 89.7, 0.0);	(475774.0, 3650332.5, 27.4, 89.8, 0.0);
(475835.0, 3650332.5, 32.6, 89.8, 0.0);	(475896.0, 3650332.5, 35.3, 89.8, 0.0);
(475957.0, 3650332.5, 38.6, 89.8, 0.0);	(476018.0, 3650332.5, 39.7, 89.8, 0.0);
(476079.0, 3650332.5, 41.2, 96.6, 0.0);	(476140.0, 3650332.5, 46.2, 98.2, 0.0);
(476201.0, 3650332.5, 50.4, 98.3, 0.0);	(476262.0, 3650332.5, 55.9, 98.3, 0.0);
(476323.0, 3650332.5, 57.0, 98.3, 0.0);	(476384.0, 3650332.5, 57.2, 99.7, 0.0);
(476445.0, 3650332.5, 62.0, 99.7, 0.0);	(476506.0, 3650332.5, 69.2, 99.7, 0.0);
(476567.0, 3650332.5, 73.5, 99.7, 0.0);	(476628.0, 3650332.5, 86.0, 98.7, 0.0);
(476689.0, 3650332.5, 94.3, 98.1, 0.0);	(476750.0, 3650332.5, 95.2, 99.0, 0.0);

*** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
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 *** AERMET - VERSION 15181 *** ***
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 *** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

(475591.0, 3650396.5, 18.0, 89.8, 0.0);	(475652.0, 3650396.5, 23.9, 37.8, 0.0);
(475713.0, 3650396.5, 27.6, 52.2, 0.0);	(475774.0, 3650396.5, 30.4, 89.8, 0.0);
(475835.0, 3650396.5, 39.1, 52.0, 0.0);	(475896.0, 3650396.5, 42.3, 89.8, 0.0);

HR Attach A - Aermod Output 1st Floor

0.0);
 (475957.0, 3650396.5, 44.2, 89.8, 0.0); (476018.0, 3650396.5, 44.8, 89.8,
 0.0);
 (476079.0, 3650396.5, 41.9, 96.6, 0.0); (476140.0, 3650396.5, 52.0, 89.8,
 0.0);
 (476201.0, 3650396.5, 58.9, 89.8, 0.0); (476262.0, 3650396.5, 63.7, 89.8,
 0.0);
 (476323.0, 3650396.5, 66.5, 96.5, 0.0); (476384.0, 3650396.5, 65.6, 98.3,
 0.0);
 (476445.0, 3650396.5, 66.6, 98.7, 0.0); (476506.0, 3650396.5, 72.2, 98.7,
 0.0);
 (476567.0, 3650396.5, 86.8, 98.3, 0.0); (476628.0, 3650396.5, 96.4, 96.4,
 0.0);
 (476689.0, 3650396.5, 96.0, 98.3, 0.0); (476750.0, 3650396.5, 86.5, 99.0,
 0.0);
 (475591.0, 3650460.5, 18.4, 90.7, 0.0); (475652.0, 3650460.5, 26.1, 38.1,
 0.0);
 (475713.0, 3650460.5, 32.8, 37.5, 0.0); (475774.0, 3650460.5, 36.0, 50.1,
 0.0);
 (475835.0, 3650460.5, 39.4, 89.7, 0.0); (475896.0, 3650460.5, 46.3, 52.7,
 0.0);
 (475957.0, 3650460.5, 52.2, 52.2, 0.0); (476018.0, 3650460.5, 50.7, 89.8,
 0.0);
 (476079.0, 3650460.5, 41.7, 96.5, 0.0); (476140.0, 3650460.5, 55.9, 89.8,
 0.0);
 (476201.0, 3650460.5, 68.8, 89.8, 0.0); (476262.0, 3650460.5, 77.5, 89.8,
 0.0);
 (476323.0, 3650460.5, 77.1, 89.8, 0.0); (476384.0, 3650460.5, 75.5, 89.8,
 0.0);
 (476445.0, 3650460.5, 78.9, 96.4, 0.0); (476506.0, 3650460.5, 84.1, 96.4,
 0.0);
 (476567.0, 3650460.5, 91.5, 91.5, 0.0); (476628.0, 3650460.5, 86.5, 98.3,
 0.0);
 (476689.0, 3650460.5, 76.1, 99.7, 0.0); (476750.0, 3650460.5, 73.6, 99.7,
 0.0);

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
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*** MODELOPTs: RegDFAULT 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

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS) YR (METERS)	DISTANCE (METERS)
DDXFI3QM	476323.0 3649244.5	-8.05
DDXFI3QN	476262.0 3649308.5	-16.10
DDXFI3QN	476323.0 3649308.5	-1.93
DDXFI3QO	476262.0 3649308.5	-6.33
DDXFI3QO	476262.0 3649372.5	-6.91
DDXFI3QP	476262.0 3649372.5	-32.78
DDXFI3QQ	476262.0 3649436.5	-12.78
DDXFI3QR	476201.0 3649436.5	-2.85
DDXFI3QR	476262.0 3649436.5	-6.29
DDXFI3QS	476201.0 3649500.5	-16.95
DDXFI3QS	476262.0 3649500.5	-0.09
DDXFI3QT	476201.0 3649500.5	-6.98
DDXFI3QT	476201.0 3649564.5	-5.28
DDXFI3QU	476201.0 3649564.5	-34.39
DDXFI3QV	476201.0 3649628.5	-17.68
DDXFI3QW	476201.0 3649628.5	-11.96

HR Attach A - Aermod Output 1st Floor

DDXFI3QX	476140.0	3649692.5	-6.26
DDXFI3QX	476201.0	3649692.5	-11.56
DDXFI3QZ	476140.0	3649756.5	-13.82
DDXFI3QZ	476201.0	3649756.5	-2.19
DDXFI3R0	476140.0	3649820.5	-15.18
DDXFI3R1	476140.0	3649820.5	-10.53
DDXFI3R2	476140.0	3649884.5	-28.77
DDXFI3R3	476140.0	3649884.5	0.97
DDXFI3R3	476140.0	3649948.5	-15.70
DDXFI3R4	476140.0	3649948.5	-23.89
DDXFI3R5	476140.0	3650012.5	-30.31
DDXFI3R6	476140.0	3650012.5	-6.92
DDXFI3R6	476140.0	3650076.5	-5.59
DDXFI3R7	476140.0	3650076.5	-22.30
DDXFI3R8	476140.0	3650140.5	-11.89
DDXFI3R9	476079.0	3650140.5	0.05
DDXFI3R9	476140.0	3650140.5	-4.64
DDXFI3RA	476079.0	3650204.5	-12.11
DDXFI3RA	476140.0	3650204.5	-6.72
DDXFI3RB	476079.0	3650268.5	-5.34
DDXFI3RC	476079.0	3650268.5	-19.06
DDXFI3RD	476079.0	3650332.5	-24.16
DDXFI3RE	476079.0	3650332.5	-11.42
DDXFI3RE	476079.0	3650396.5	-3.73

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
08/08/17
*** AERMET - VERSION 15181 *** ***
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*** MODELOPTs: RegDFAULT 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

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS) YR (METERS)	DISTANCE (METERS)
DDXFI3RF	476079.0 3650396.5	-36.28
DDXFI3RG	476079.0 3650460.5	-18.42
DDXFI3RH	476079.0 3650460.5	-17.77

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
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*** AERMET - VERSION 15181 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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

HR Attach A - Aermod Output 1st Floor

1 1

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

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2012 1 1 1
AND END DATE: 2012 12 31 24

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 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
08/08/17
*** AERMET - VERSION 15181 *** ***
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*** MODELOPTS: RegDFAULT CONC ELEV RURAL

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

Surface file: C:\Users\ryan_000\OneDrive\LDNWOR~1\GENEVI~1\4-12-16\AQMODE~1\BREEZE~1\KMA_20~1\ Met Version:
15181
Profile file: C:\Users\ryan_000\OneDrive\LDNWOR~1\GENEVI~1\4-12-16\AQMODE~1\BREEZE~1\KMA_20~1\
Surface format: FREE

Profile format: FREE

Surface station no.: 93107 Upper air station no.: 3190
Name: KERNEYMESACLOSESTMEDDATATOSITE Name: KERNEYMESACLOSESTMEDDATATOSITE
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 -0.5 0.025 -9.000 -9.000 -999. 9. 2.6 0.26 1.32 1.00 0.45 125. 10.0 283.8
10.0
12 01 01 1 02 -2.3 0.053 -9.000 -9.000 -999. 29. 5.8 0.34 1.32 1.00 0.89 334. 10.0 283.8
10.0
12 01 01 1 03 -0.6 0.027 -9.000 -9.000 -999. 11. 3.0 0.38 1.32 1.00 0.45 5. 10.0 285.9
10.0
12 01 01 1 04 -0.5 0.025 -9.000 -9.000 -999. 9. 2.6 0.26 1.32 1.00 0.45 77. 10.0 284.9
10.0
12 01 01 1 05 -0.6 0.027 -9.000 -9.000 -999. 10. 2.9 0.34 1.32 1.00 0.45 336. 10.0 285.4
10.0
12 01 01 1 06 -0.5 0.025 -9.000 -9.000 -999. 10. 2.7 0.29 1.32 1.00 0.45 233. 10.0 284.2
10.0
12 01 01 1 07 -0.5 0.025 -9.000 -9.000 -999. 10. 2.7 0.29 1.32 1.00 0.45 175. 10.0 283.1
10.0
12 01 01 1 08 27.3 -9.000 -9.000 -9.000 -999. -999999.0 0.31 1.32 0.49 0.00 0. 10.0 283.1
10.0
12 01 01 1 09 55.2 0.108 0.487 0.014 75. 85. -2.0 0.37 1.32 0.29 0.45 329. 10.0 286.4
10.0
12 01 01 1 10 123.3 0.120 0.896 0.007 208. 100. -1.3 0.37 1.32 0.22 0.45 321. 10.0 291.4
10.0
12 01 01 1 11 169.2 0.295 1.303 0.005 468. 384. -13.6 0.37 1.32 0.20 1.79 320. 10.0 295.4
10.0
12 01 01 1 12 191.0 0.299 1.625 0.005 805. 392. -12.5 0.37 1.32 0.19 1.79 310. 10.0 297.0
10.0
12 01 01 1 13 186.3 0.298 1.865 0.005 1245. 391. -12.7 0.37 1.32 0.19 1.79 307. 10.0 298.8
10.0

HR Attach A - Aermod Output 1st Floor															
12 01 01	1 14	160.2	0.293	1.884	0.005	1493.	381.	-14.1	0.37	1.32	0.20	1.79	305.	10.0	299.9
10.0															
12 01 01	1 15	107.4	0.331	1.688	0.005	1601.	456.	-30.0	0.37	1.32	0.23	2.24	305.	10.0	299.2
10.0															
12 01 01	1 16	36.1	0.304	1.180	0.005	1627.	403.	-69.5	0.37	1.32	0.32	2.24	300.	10.0	296.4
10.0															
12 01 01	1 17	-4.7	0.079	-9.000	-9.000	-999.	139.	9.2	0.33	1.32	0.60	1.34	299.	10.0	294.2
10.0															
12 01 01	1 18	-2.2	0.052	-9.000	-9.000	-999.	36.	5.8	0.33	1.32	1.00	0.89	279.	10.0	292.0
10.0															
12 01 01	1 19	-0.5	0.025	-9.000	-9.000	-999.	10.	2.6	0.26	1.32	1.00	0.45	63.	10.0	289.9
10.0															
12 01 01	1 20	-0.6	0.027	-9.000	-9.000	-999.	11.	3.1	0.38	1.32	1.00	0.45	19.	10.0	288.1
10.0															
12 01 01	1 21	-2.2	0.052	-9.000	-9.000	-999.	29.	5.7	0.33	1.32	1.00	0.89	290.	10.0	287.0
10.0															
12 01 01	1 22	-2.4	0.054	-9.000	-9.000	-999.	30.	6.0	0.37	1.32	1.00	0.89	329.	10.0	285.4
10.0															
12 01 01	1 23	-2.3	0.053	-9.000	-9.000	-999.	29.	5.8	0.34	1.32	1.00	0.89	330.	10.0	284.9
10.0															
12 01 01	1 24	-0.6	0.026	-9.000	-9.000	-999.	10.	2.9	0.33	1.32	1.00	0.45	291.	10.0	284.9
10.0															

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.0	1	125.	0.45	283.8	48.0	-99.00	0.27

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

*** AERMOD - VERSION 16216r *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
08/08/17
*** AERMET - VERSION 15181 *** ***
07:35:45

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP ,

DDXFI3QQ , DDXFI3QR , DDXFI3QS , DDXFI3QT , DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX ,

DDXFI3QY , DDXFI3QZ , DDXFI3R0 , DDXFI3R1 , DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 ,

DDXFI3R6 , DDXFI3R7 , DDXFI3R8 , DDXFI3R9 , DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD ,

. . . ,

*** 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
475591.00	3649244.50	0.00367	475652.00	3649244.50	0.00379
475713.00	3649244.50	0.00416	475774.00	3649244.50	0.00459
475835.00	3649244.50	0.00512	475896.00	3649244.50	0.00578
475957.00	3649244.50	0.00803	476018.00	3649244.50	0.00918
476079.00	3649244.50	0.01076	476140.00	3649244.50	0.00952
476201.00	3649244.50	0.01549	476262.00	3649244.50	0.02414

HR Attach A - Aermod Output 1st Floor					
476323.00	3649244.50	0.01566	476384.00	3649244.50	0.01587
476445.00	3649244.50	0.01044	476506.00	3649244.50	0.00813
476567.00	3649244.50	0.00665	476628.00	3649244.50	0.00563
476689.00	3649244.50	0.00489	476750.00	3649244.50	0.00431
475591.00	3649308.50	0.00394	475652.00	3649308.50	0.00406
475713.00	3649308.50	0.00449	475774.00	3649308.50	0.00502
475835.00	3649308.50	0.00566	475896.00	3649308.50	0.00648
475957.00	3649308.50	0.00755	476018.00	3649308.50	0.01073
476079.00	3649308.50	0.00986	476140.00	3649308.50	0.00892
476201.00	3649308.50	0.02541	476262.00	3649308.50	0.02015
476323.00	3649308.50	0.02523	476384.00	3649308.50	0.02059
476445.00	3649308.50	0.01296	476506.00	3649308.50	0.00983
476567.00	3649308.50	0.00772	476628.00	3649308.50	0.00669
476689.00	3649308.50	0.00610	476750.00	3649308.50	0.00461
475591.00	3649372.50	0.00409	475652.00	3649372.50	0.00434
475713.00	3649372.50	0.00482	475774.00	3649372.50	0.00542
475835.00	3649372.50	0.00618	475896.00	3649372.50	0.00715
475957.00	3649372.50	0.00849	476018.00	3649372.50	0.01039
476079.00	3649372.50	0.00573	476140.00	3649372.50	0.00655
476201.00	3649372.50	0.02999	476262.00	3649372.50	0.02706
476323.00	3649372.50	0.02582	476384.00	3649372.50	0.01720
476445.00	3649372.50	0.01361	476506.00	3649372.50	0.01083
476567.00	3649372.50	0.00554	476628.00	3649372.50	0.00470
476689.00	3649372.50	0.00372	476750.00	3649372.50	0.00531
475591.00	3649436.50	0.00420	475652.00	3649436.50	0.00460
475713.00	3649436.50	0.00513	475774.00	3649436.50	0.00581
475835.00	3649436.50	0.00667	475896.00	3649436.50	0.00781
475957.00	3649436.50	0.00942	476018.00	3649436.50	0.01365
476079.00	3649436.50	0.00496	476140.00	3649436.50	0.00489
476201.00	3649436.50	0.03234	476262.00	3649436.50	0.02681
476323.00	3649436.50	0.02119	476384.00	3649436.50	0.01651
476445.00	3649436.50	0.01168	476506.00	3649436.50	0.00844
476567.00	3649436.50	0.00233	476628.00	3649436.50	0.00166
476689.00	3649436.50	0.00219	476750.00	3649436.50	0.00549

HR Attach A - Aermod Output 1st Floor

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL

 INCLUDING SOURCE(S): DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP ,
 DDXFI3QQ , DDXFI3QR , DDXFI3QS , DDXFI3QT , DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX ,
 DDXFI3QY , DDXFI3QZ , DDXFI3R0 , DDXFI3R1 , DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 ,
 DDXFI3R6 , DDXFI3R7 , DDXFI3R8 , DDXFI3R9 , DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD ,
 . . . ,

*** 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	
475591.00	3649500.50	0.00447	475652.00	3649500.50	0.00493	
475713.00	3649500.50	0.00544	475774.00	3649500.50	0.00618	
475835.00	3649500.50	0.00715	475896.00	3649500.50	0.00844	
475957.00	3649500.50	0.01027	476018.00	3649500.50	0.01317	
476079.00	3649500.50	0.01978	476140.00	3649500.50	0.02160	
476201.00	3649500.50	0.02675	476262.00	3649500.50	0.03209	
476323.00	3649500.50	0.01522	476384.00	3649500.50	0.00971	
476445.00	3649500.50	0.00580	476506.00	3649500.50	0.00859	
476567.00	3649500.50	0.00439	476628.00	3649500.50	0.00133	
476689.00	3649500.50	0.00097	476750.00	3649500.50	0.00478	
475591.00	3649564.50	0.00529	475652.00	3649564.50	0.00552	
475713.00	3649564.50	0.00583	475774.00	3649564.50	0.00653	
475835.00	3649564.50	0.00760	475896.00	3649564.50	0.00905	
475957.00	3649564.50	0.01110	476018.00	3649564.50	0.01424	
476079.00	3649564.50	0.01982	476140.00	3649564.50	0.03486	
476201.00	3649564.50	0.03040	476262.00	3649564.50	0.01535	
476323.00	3649564.50	0.01104	476384.00	3649564.50	0.00677	
476445.00	3649564.50	0.00391	476506.00	3649564.50	0.00412	
476567.00	3649564.50	0.00228	476628.00	3649564.50	0.00132	
476689.00	3649564.50	0.00088	476750.00	3649564.50	0.00291	

HR Attach A - Aermod Output 1st Floor					
475591.00	3649628.50	0.00561	475652.00	3649628.50	0.00561
475713.00	3649628.50	0.00598	475774.00	3649628.50	0.00685
475835.00	3649628.50	0.00802	475896.00	3649628.50	0.00961
475957.00	3649628.50	0.01193	476018.00	3649628.50	0.01570
476079.00	3649628.50	0.02258	476140.00	3649628.50	0.04109
476201.00	3649628.50	0.02930	476262.00	3649628.50	0.00879
476323.00	3649628.50	0.00685	476384.00	3649628.50	0.00449
476445.00	3649628.50	0.00255	476506.00	3649628.50	0.00238
476567.00	3649628.50	0.00146	476628.00	3649628.50	0.00103
476689.00	3649628.50	0.00080	476750.00	3649628.50	0.00088
475591.00	3649692.50	0.00553	475652.00	3649692.50	0.00556
475713.00	3649692.50	0.00621	475774.00	3649692.50	0.00714
475835.00	3649692.50	0.00839	475896.00	3649692.50	0.01012
475957.00	3649692.50	0.01265	476018.00	3649692.50	0.01712
476079.00	3649692.50	0.02499	476140.00	3649692.50	0.03422
476201.00	3649692.50	0.04009	476262.00	3649692.50	0.00521
476323.00	3649692.50	0.00305	476384.00	3649692.50	0.00272
476445.00	3649692.50	0.00185	476506.00	3649692.50	0.00164
476567.00	3649692.50	0.00104	476628.00	3649692.50	0.00079
476689.00	3649692.50	0.00069	476750.00	3649692.50	0.00066

*** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
 08/08/17
 *** AERMET - VERSION 15181 *** ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL

 INCLUDING SOURCE(S): DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP ,
 DDXFI3QQ , DDXFI3QR , DDXFI3QS , DDXFI3QT , DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX ,
 DDXFI3QY , DDXFI3QZ , DDXFI3R0 , DDXFI3R1 , DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 ,
 DDXFI3R6 , DDXFI3R7 , DDXFI3R8 , DDXFI3R9 , DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD ,
 . . . ,

*** 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
475591.00	3649756.50	0.00543	475652.00	3649756.50	0.00645

HR Attach A - Aermod Output 1st Floor

475713.00	3649756.50	0.00639	475774.00	3649756.50	0.00739
475835.00	3649756.50	0.00872	475896.00	3649756.50	0.01056
475957.00	3649756.50	0.01328	476018.00	3649756.50	0.01776
476079.00	3649756.50	0.02715	476140.00	3649756.50	0.03788
476201.00	3649756.50	0.03597	476262.00	3649756.50	0.00490
476323.00	3649756.50	0.00232	476384.00	3649756.50	0.00182
476445.00	3649756.50	0.00158	476506.00	3649756.50	0.00132
476567.00	3649756.50	0.00089	476628.00	3649756.50	0.00067
476689.00	3649756.50	0.00059	476750.00	3649756.50	0.00061
475591.00	3649820.50	0.00610	475652.00	3649820.50	0.00649
475713.00	3649820.50	0.00657	475774.00	3649820.50	0.00761
475835.00	3649820.50	0.00901	475896.00	3649820.50	0.01094
475957.00	3649820.50	0.01381	476018.00	3649820.50	0.01859
476079.00	3649820.50	0.02847	476140.00	3649820.50	0.02872
476201.00	3649820.50	0.02142	476262.00	3649820.50	0.00619
476323.00	3649820.50	0.00240	476384.00	3649820.50	0.00179
476445.00	3649820.50	0.00142	476506.00	3649820.50	0.00112
476567.00	3649820.50	0.00088	476628.00	3649820.50	0.00066
476689.00	3649820.50	0.00055	476750.00	3649820.50	0.00073
475591.00	3649884.50	0.00623	475652.00	3649884.50	0.00617
475713.00	3649884.50	0.00670	475774.00	3649884.50	0.00778
475835.00	3649884.50	0.00926	475896.00	3649884.50	0.01132
475957.00	3649884.50	0.01427	476018.00	3649884.50	0.01931
476079.00	3649884.50	0.02935	476140.00	3649884.50	0.03265
476201.00	3649884.50	0.02106	476262.00	3649884.50	0.00808
476323.00	3649884.50	0.00367	476384.00	3649884.50	0.00214
476445.00	3649884.50	0.00153	476506.00	3649884.50	0.00111
476567.00	3649884.50	0.00083	476628.00	3649884.50	0.00063
476689.00	3649884.50	0.00055	476750.00	3649884.50	0.00056
475591.00	3649948.50	0.00626	475652.00	3649948.50	0.00620
475713.00	3649948.50	0.00680	475774.00	3649948.50	0.00792
475835.00	3649948.50	0.00944	475896.00	3649948.50	0.01154
475957.00	3649948.50	0.01465	476018.00	3649948.50	0.01978

476079.00	3649948.50	0.03042	476140.00	3649948.50	0.03150
476201.00	3649948.50	0.03452	476262.00	3649948.50	0.01486
476323.00	3649948.50	0.00639	476384.00	3649948.50	0.00364
476445.00	3649948.50	0.00223	476506.00	3649948.50	0.00128
476567.00	3649948.50	0.00082	476628.00	3649948.50	0.00060
476689.00	3649948.50	0.00047	476750.00	3649948.50	0.00039

*** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
 08/08/17
 *** AERMET - VERSION 15181 *** ***
 07:35:45

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL

 INCLUDING SOURCE(S): DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP ,
 DDXFI3QQ , DDXFI3QR , DDXFI3QS , DDXFI3QT , DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX ,
 DDXFI3QY , DDXFI3QZ , DDXFI3R0 , DDXFI3R1 , DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 ,
 DDXFI3R6 , DDXFI3R7 , DDXFI3R8 , DDXFI3R9 , DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD ,
 . . . ,

*** 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
475591.00	3650012.50	0.00572	475652.00	3650012.50	0.00605
475713.00	3650012.50	0.00684	475774.00	3650012.50	0.00801
475835.00	3650012.50	0.00960	475896.00	3650012.50	0.01183
475957.00	3650012.50	0.01507	476018.00	3650012.50	0.02058
476079.00	3650012.50	0.03231	476140.00	3650012.50	0.03225
476201.00	3650012.50	0.03640	476262.00	3650012.50	0.02103
476323.00	3650012.50	0.00968	476384.00	3650012.50	0.00454
476445.00	3650012.50	0.00216	476506.00	3650012.50	0.00120
476567.00	3650012.50	0.00078	476628.00	3650012.50	0.00059
476689.00	3650012.50	0.00044	476750.00	3650012.50	0.00036
475591.00	3650076.50	0.00539	475652.00	3650076.50	0.00593
475713.00	3650076.50	0.00681	475774.00	3650076.50	0.00804
475835.00	3650076.50	0.00970	475896.00	3650076.50	0.01201
475957.00	3650076.50	0.01551	476018.00	3650076.50	0.02146
476079.00	3650076.50	0.03526	476140.00	3650076.50	0.03292

HR Attach A - Aermod Output 1st Floor

476201.00	3650076.50	0.03386	476262.00	3650076.50	0.02058
476323.00	3650076.50	0.00943	476384.00	3650076.50	0.00437
476445.00	3650076.50	0.00217	476506.00	3650076.50	0.00121
476567.00	3650076.50	0.00086	476628.00	3650076.50	0.00061
476689.00	3650076.50	0.00041	476750.00	3650076.50	0.00035
475591.00	3650140.50	0.00518	475652.00	3650140.50	0.00585
475713.00	3650140.50	0.00676	475774.00	3650140.50	0.00803
475835.00	3650140.50	0.00973	475896.00	3650140.50	0.01214
475957.00	3650140.50	0.01593	476018.00	3650140.50	0.02246
476079.00	3650140.50	0.03061	476140.00	3650140.50	0.03037
476201.00	3650140.50	0.03122	476262.00	3650140.50	0.01968
476323.00	3650140.50	0.00950	476384.00	3650140.50	0.00384
476445.00	3650140.50	0.00179	476506.00	3650140.50	0.00114
476567.00	3650140.50	0.00078	476628.00	3650140.50	0.00055
476689.00	3650140.50	0.00038	476750.00	3650140.50	0.00030
475591.00	3650204.50	0.00500	475652.00	3650204.50	0.00568
475713.00	3650204.50	0.00670	475774.00	3650204.50	0.00796
475835.00	3650204.50	0.00973	475896.00	3650204.50	0.01243
475957.00	3650204.50	0.01655	476018.00	3650204.50	0.02356
476079.00	3650204.50	0.03467	476140.00	3650204.50	0.03730
476201.00	3650204.50	0.02674	476262.00	3650204.50	0.01863
476323.00	3650204.50	0.00928	476384.00	3650204.50	0.00414
476445.00	3650204.50	0.00170	476506.00	3650204.50	0.00091
476567.00	3650204.50	0.00062	476628.00	3650204.50	0.00045
476689.00	3650204.50	0.00030	476750.00	3650204.50	0.00023

*** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
 08/08/17
 *** AERMET - VERSION 15181 *** ***
 07:35:45

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL

 INCLUDING SOURCE(S): DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP ,
 DDXFI3QQ , DDXFI3QR , DDXFI3QS , DDXFI3QT , DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX ,
 DDXFI3QY , DDXFI3QZ , DDXFI3R0 , DDXFI3R1 , DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 ,
 DDXFI3R6 ,

*** 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
475591.00	3650268.50	0.00476	475652.00	3650268.50	0.00551
475713.00	3650268.50	0.00652	475774.00	3650268.50	0.00786
475835.00	3650268.50	0.00970	475896.00	3650268.50	0.01247
475957.00	3650268.50	0.01718	476018.00	3650268.50	0.02555
476079.00	3650268.50	0.02653	476140.00	3650268.50	0.04509
476201.00	3650268.50	0.01380	476262.00	3650268.50	0.00926
476323.00	3650268.50	0.00677	476384.00	3650268.50	0.00349
476445.00	3650268.50	0.00159	476506.00	3650268.50	0.00092
476567.00	3650268.50	0.00058	476628.00	3650268.50	0.00040
476689.00	3650268.50	0.00027	476750.00	3650268.50	0.00019
475591.00	3650332.50	0.00447	475652.00	3650332.50	0.00518
475713.00	3650332.50	0.00623	475774.00	3650332.50	0.00757
475835.00	3650332.50	0.00972	475896.00	3650332.50	0.01282
475957.00	3650332.50	0.01871	476018.00	3650332.50	0.02911
476079.00	3650332.50	0.02711	476140.00	3650332.50	0.02987
476201.00	3650332.50	0.00910	476262.00	3650332.50	0.00326
476323.00	3650332.50	0.00228	476384.00	3650332.50	0.00183
476445.00	3650332.50	0.00104	476506.00	3650332.50	0.00060
476567.00	3650332.50	0.00043	476628.00	3650332.50	0.00026
476689.00	3650332.50	0.00020	476750.00	3650332.50	0.00018
475591.00	3650396.50	0.00414	475652.00	3650396.50	0.00488
475713.00	3650396.50	0.00582	475774.00	3650396.50	0.00708
475835.00	3650396.50	0.00997	475896.00	3650396.50	0.01329
475957.00	3650396.50	0.01769	476018.00	3650396.50	0.02809
476079.00	3650396.50	0.02764	476140.00	3650396.50	0.00929
476201.00	3650396.50	0.00288	476262.00	3650396.50	0.00151
476323.00	3650396.50	0.00099	476384.00	3650396.50	0.00083
476445.00	3650396.50	0.00066	476506.00	3650396.50	0.00045
476567.00	3650396.50	0.00026	476628.00	3650396.50	0.00020

HR Attach A - Aermod Output 1st Floor

476689.00	3650396.50	0.00018	476750.00	3650396.50	0.00019
475591.00	3650460.50	0.00381	475652.00	3650460.50	0.00451
475713.00	3650460.50	0.00553	475774.00	3650460.50	0.00677
475835.00	3650460.50	0.00866	475896.00	3650460.50	0.00936
475957.00	3650460.50	0.00513	476018.00	3650460.50	0.00892
476079.00	3650460.50	0.01651	476140.00	3650460.50	0.00416
476201.00	3650460.50	0.00123	476262.00	3650460.50	0.00067
476323.00	3650460.50	0.00053	476384.00	3650460.50	0.00046
476445.00	3650460.50	0.00035	476506.00	3650460.50	0.00027
476567.00	3650460.50	0.00022	476628.00	3650460.50	0.00020
476689.00	3650460.50	0.00025	476750.00	3650460.50	0.00025

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
 08/08/17
 *** AERMET - VERSION 15181 *** ***
 07:35:45

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL

 INCLUDING SOURCE(S): DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP ,
 DDXFI3QQ , DDXFI3QR , DDXFI3QS , DDXFI3QT , DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX ,
 DDXFI3QY , DDXFI3QZ , DDXFI3R0 , DDXFI3R1 , DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 ,
 DDXFI3R6 , DDXFI3R7 , DDXFI3R8 , DDXFI3R9 , DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD ,
 . . . ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **					
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
476184.30	3650114.30	0.03724	476186.00	3650098.40	0.03745
476190.80	3650062.40	0.03758	476203.70	3650029.80	0.03486
476181.30	3650020.60	0.04407	476181.70	3649976.60	0.04721
476184.50	3649949.90	0.04752	476217.70	3650119.90	0.02827

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
 08/08/17
 *** AERMET - VERSION 15181 *** ***
 07:35:45

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

HR Attach A - Aermod Output 1st Floor

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

**

NETWORK
GROUP ID
GRID-ID

AVERAGE CONC

RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE

ALL 1ST HIGHEST VALUE IS 0.04752 AT (476184.50, 3649949.90, 41.00, 68.58, 0.00) SR

2ND HIGHEST VALUE IS 0.04721 AT (476181.70, 3649976.60, 41.00, 68.58, 0.00) SR

3RD HIGHEST VALUE IS 0.04509 AT (476140.00, 3650268.50, 42.61, 98.34, 0.00) DC

4TH HIGHEST VALUE IS 0.04407 AT (476181.30, 3650020.60, 41.00, 66.48, 0.00) SR

5TH HIGHEST VALUE IS 0.04109 AT (476140.00, 3649628.50, 33.75, 68.92, 0.00) DC

6TH HIGHEST VALUE IS 0.04009 AT (476201.00, 3649692.50, 35.27, 73.10, 0.00) DC

7TH HIGHEST VALUE IS 0.03788 AT (476140.00, 3649756.50, 38.30, 68.92, 0.00) DC

8TH HIGHEST VALUE IS 0.03758 AT (476190.80, 3650062.40, 41.00, 99.01, 0.00) SR

9TH HIGHEST VALUE IS 0.03745 AT (476186.00, 3650098.40, 41.00, 99.27, 0.00) SR

10TH HIGHEST VALUE IS 0.03730 AT (476140.00, 3650204.50, 42.06, 98.34, 0.00) DC

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

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
08/08/17
*** AERMET - VERSION 15181 *** ***
07:35:45 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 178 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 101 Calm Hours Identified

A Total of 77 Missing Hours Identified (0.88 Percent)

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

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

HR Attach A - Aermod Output 1st Floor

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

AERMODPrMSPx VERSION
(C) COPYRIGHT 1998-2017, Trinity Consultants

Run Began on 8/08/2017 at 7:35:59

** BREEZE AERMOD
** Trinity Consultants
** VERSION 7.12

CO STARTING
CO TITLEONE PM10 Exhaust Interstate5 Operations Unmitigated Second Floor
CO MODELOPT DFAULT CONC
CO RUNORNOT RUN
CO AVERTIME ANNUAL
CO POLLUTID PM10
CO FINISHED

SO STARTING					
SO ELEVUNIT	METERS				
SO LOCATION	DDXFI3QM	VOLUME	476299.1	3649265.7	23.10
** SRCDESCR	I5				
SO LOCATION	DDXFI3QN	VOLUME	476285.3	3649303.2	24.68
** SRCDESCR	I5				
SO LOCATION	DDXFI3QO	VOLUME	476271.5	3649340.8	25.90
** SRCDESCR	I5				
SO LOCATION	DDXFI3QP	VOLUME	476257.7	3649378.3	27.08
** SRCDESCR	I5				
SO LOCATION	DDXFI3QQ	VOLUME	476244.2	3649415.9	28.28
** SRCDESCR	I5				
SO LOCATION	DDXFI3QR	VOLUME	476233.5	3649454.5	29.50
** SRCDESCR	I5				
SO LOCATION	DDXFI3QS	VOLUME	476222.8	3649493.0	30.57
** SRCDESCR	I5				
SO LOCATION	DDXFI3QT	VOLUME	476212.1	3649531.6	31.66
** SRCDESCR	I5				
SO LOCATION	DDXFI3QU	VOLUME	476201.4	3649570.1	32.73
** SRCDESCR	I5				
SO LOCATION	DDXFI3QV	VOLUME	476190.7	3649608.7	33.75
** SRCDESCR	I5				
SO LOCATION	DDXFI3QW	VOLUME	476180.1	3649647.2	34.66
** SRCDESCR	I5				
SO LOCATION	DDXFI3QX	VOLUME	476173.2	3649686.5	35.42
** SRCDESCR	I5				
SO LOCATION	DDXFI3QY	VOLUME	476168.8	3649726.3	35.77
** SRCDESCR	I5				
SO LOCATION	DDXFI3QZ	VOLUME	476164.4	3649766.0	36.80
** SRCDESCR	I5				
SO LOCATION	DDXFI3R0	VOLUME	476160.0	3649805.8	37.31
** SRCDESCR	I5				
SO LOCATION	DDXFI3R1	VOLUME	476155.6	3649845.5	36.79
** SRCDESCR	I5				
SO LOCATION	DDXFI3R2	VOLUME	476151.2	3649885.3	39.80
** SRCDESCR	I5				
SO LOCATION	DDXFI3R3	VOLUME	476146.2	3649925.0	39.24
** SRCDESCR	I5				
SO LOCATION	DDXFI3R4	VOLUME	476140.6	3649964.6	38.86
** SRCDESCR	I5				
SO LOCATION	DDXFI3R5	VOLUME	476135.0	3650004.2	38.52
** SRCDESCR	I5				
SO LOCATION	DDXFI3R6	VOLUME	476129.3	3650043.8	38.38
** SRCDESCR	I5				
SO LOCATION	DDXFI3R7	VOLUME	476123.7	3650083.4	38.37
** SRCDESCR	I5				
SO LOCATION	DDXFI3R8	VOLUME	476118.0	3650123.0	38.47
** SRCDESCR	I5				

HR Attach A - Aermod Output 2nd Floor

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SO LOCATION DDXFI3R9 VOLUME 476112.4 3650162.6 38.72
** SRCDESCR I5
SO LOCATION DDXFI3RA VOLUME 476106.8 3650202.2 39.27
** SRCDESCR I5
SO LOCATION DDXFI3RB VOLUME 476101.1 3650241.8 39.59
** SRCDESCR I5
SO LOCATION DDXFI3RC VOLUME 476095.5 3650281.4 40.42
** SRCDESCR I5
SO LOCATION DDXFI3RD VOLUME 476089.9 3650321.0 41.51
** SRCDESCR I5
SO LOCATION DDXFI3RE VOLUME 476084.2 3650360.6 41.81
** SRCDESCR I5
SO LOCATION DDXFI3RF VOLUME 476078.6 3650400.2 41.87
** SRCDESCR I5
SO LOCATION DDXFI3RG VOLUME 476072.9 3650439.8 41.73
** SRCDESCR I5
SO LOCATION DDXFI3RH VOLUME 476067.3 3650479.4 41.76
** SRCDESCR I5
SO SRCPARAM DDXFI3QM 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QN 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QO 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QP 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QQ 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QR 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QS 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QT 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QU 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QV 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QW 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QX 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QY 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3QZ 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3R0 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3R1 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3R2 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3R3 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3R4 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3R5 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3R6 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3R7 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3R8 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3R9 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3RA 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3RB 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3RC 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3RD 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3RE 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3RF 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3RG 1.463341E-05 3 18.60465 2.790698
SO SRCPARAM DDXFI3RH 1.463341E-05 3 18.60465 2.790698
SO SRCGROUP ALL
SO FINISHED

```

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RE STARTING
RE ELEVUNIT METERS
RE DISCCART 476184.3 3650114.3 45 99.27
** SENSITIV
** RCPDESCR NW Building SF
RE DISCCART 476186 3650098.4 45 99.27
** SENSITIV
** RCPDESCR NWGF2 SF
RE DISCCART 476190.8 3650062.4 45 99.01
** SENSITIV
** RCPDESCR WGF1 SF
RE DISCCART 476203.7 3650029.8 45 98.92
** SENSITIV
** RCPDESCR WRoundaboutBuildingFacade SF

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HR Attach A - Aermod Output 2nd Floor

RE DISCCART	476181.3	3650020.6	45	66.48
** SENSITIV				
** RCPDESCR	SWN1 SF			
RE DISCCART	476181.7	3649976.6	45	68.58
** SENSITIV				
** RCPDESCR	SWFurthestRecToI5 SF			
RE DISCCART	476184.5	3649949.9	45	68.58
** SENSITIV				
** RCPDESCR	SouthBuilding SF			
RE DISCCART	476217.7	3650119.9	45	99.69
** SENSITIV				
** RCPDESCR	NorthEastBuilding SF			
RE DISCCART	475591.0	3649244.5	17.72	56.1
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649244.5	7.53	56.1
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649244.5	6.19	56.1
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649244.5	4.85	56.1
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649244.5	3.53	50.81
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649244.5	5.4	50.81
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649244.5	29.74	31.9
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649244.5	30.94	48.92
** RCPDESCR	grid2			
RE DISCCART	476079.0	3649244.5	30.56	50.81
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649244.5	35.23	39.94
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649244.5	20.41	50.81
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649244.5	21.58	50.81
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649244.5	22.56	70.22
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649244.5	20.41	79.97
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649244.5	10.47	80.74
** RCPDESCR	grid2			
RE DISCCART	476506.0	3649244.5	10.15	85.75
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649244.5	8.78	86.5
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649244.5	8.79	86.5
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649244.5	9.91	86.5
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649244.5	9.87	88.38
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649308.5	19.11	56.1
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649308.5	6.56	56.1
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649308.5	5.6	56.1
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649308.5	4.73	56.1
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649308.5	3.66	50.81
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649308.5	4.62	67.28
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649308.5	8.74	67.28
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649308.5	30.53	50.81

HR Attach A - Aermod Output 2nd Floor

** RCPDESCR	grid2				
RE DISCCART	476079.0	3649308.5	36.39	50.81	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3649308.5	38.72	50.81	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3649308.5	27.59	50.81	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3649308.5	24.82	50.81	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3649308.5	22.06	79.97	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3649308.5	27.31	79.33	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3649308.5	22.75	80.74	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3649308.5	22.53	80.74	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3649308.5	20.82	81.03	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3649308.5	22.71	81.03	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3649308.5	29.16	80.74	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3649308.5	14.91	88.08	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3649372.5	17.21	56.1	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3649372.5	8.09	61.77	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3649372.5	5.48	56.55	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3649372.5	4.09	56.1	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3649372.5	3.3	67.77	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3649372.5	4.93	68.58	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3649372.5	12.31	68.07	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3649372.5	36.42	50.81	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3649372.5	44.43	50.81	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3649372.5	44	50.81	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3649372.5	31.79	50.81	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3649372.5	26.89	68.07	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3649372.5	32.83	33.9	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3649372.5	32.24	79.67	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3649372.5	30.65	80.74	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3649372.5	28.67	80.74	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3649372.5	43.5	74.68	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3649372.5	44.65	74.68	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3649372.5	47.25	73.51	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3649372.5	24.93	86.5	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3649436.5	13.82	61.82	
** RCPDESCR	grid2				

HR Attach A - Aermod Output 2nd Floor

RE DISCCART	475652.0	3649436.5	9.36	61.82
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649436.5	5.21	61.82
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649436.5	3.27	61.82
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649436.5	3.16	68.58
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649436.5	7.17	68.58
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649436.5	15.26	68.58
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649436.5	29.59	50.81
** RCPDESCR	grid2			
RE DISCCART	476079.0	3649436.5	47.89	48.87
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649436.5	49.97	49.97
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649436.5	30.6	68.58
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649436.5	28.58	79.34
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649436.5	35.42	67.44
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649436.5	33.69	79.97
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649436.5	35.54	80.74
** RCPDESCR	grid2			
RE DISCCART	476506.0	3649436.5	38.59	80.74
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649436.5	55.89	68.9
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649436.5	59.22	69.13
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649436.5	54.85	73.44
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649436.5	33.02	86.2
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649500.5	17.25	61.82
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649500.5	15.9	61.82
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649500.5	8.47	61.82
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649500.5	3.63	68.58
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649500.5	3.25	68.78
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649500.5	6.54	68.92
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649500.5	14.09	68.78
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649500.5	20.87	68.58
** RCPDESCR	grid2			
RE DISCCART	476079.0	3649500.5	33.63	50.81
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649500.5	37.68	50.81
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649500.5	31.35	68.92
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649500.5	34.12	69.41
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649500.5	40.1	68.58
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649500.5	42.92	75.43
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649500.5	47.6	57.36

HR Attach A - Aermod Output 2nd Floor

** RCPDESCR	grid2				
RE DISCCART	476506.0	3649500.5	39.04	80.74	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3649500.5	48.46	79.97	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3649500.5	62.67	70	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3649500.5	68.3	68.3	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3649500.5	40.47	81.03	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3649564.5	30.02	38.92	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3649564.5	24.26	56.13	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3649564.5	16.85	61.09	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3649564.5	4.48	68.58	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3649564.5	4.15	68.92	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3649564.5	7.85	69.6	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3649564.5	13.22	69.6	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3649564.5	18.5	69.6	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3649564.5	24.52	69.59	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3649564.5	33.43	68.58	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3649564.5	32.62	70.01	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3649564.5	43.7	68.58	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3649564.5	44.31	68.58	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3649564.5	47.78	67.61	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3649564.5	52.5	57.36	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3649564.5	50.79	80.52	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3649564.5	56.6	79.97	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3649564.5	62.92	74.68	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3649564.5	70.32	70.32	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3649564.5	50.94	80.74	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3649628.5	37.25	38.29	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3649628.5	22.99	61.82	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3649628.5	11.72	61.82	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3649628.5	6.64	68.58	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3649628.5	5.34	69.59	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3649628.5	8.27	70.47	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3649628.5	15.83	69.6	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3649628.5	22.68	68.92	
** RCPDESCR	grid2				

HR Attach A - Aermod Output 2nd Floor

RE DISCCART	476079.0	3649628.5	28.48	68.92
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649628.5	33.75	68.92
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649628.5	34.08	72.02
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649628.5	49.27	68.58
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649628.5	49.62	68.92
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649628.5	52.5	68.58
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649628.5	57.71	61.12
** RCPDESCR	grid2			
RE DISCCART	476506.0	3649628.5	57.21	79.97
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649628.5	62.65	79.97
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649628.5	67.17	79.33
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649628.5	72.4	72.4
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649628.5	66.9	75.01
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649692.5	29.4	61.82
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649692.5	18.58	61.82
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649692.5	12.66	61.82
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649692.5	7.49	68.58
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649692.5	5.9	69.6
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649692.5	11.14	69.6
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649692.5	17.3	69.6
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649692.5	26.59	68.92
** RCPDESCR	grid2			
RE DISCCART	476079.0	3649692.5	31.22	68.92
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649692.5	38.54	68.92
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649692.5	35.27	73.1
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649692.5	55.23	68.58
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649692.5	59.51	68.07
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649692.5	58.59	68.58
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649692.5	62.43	65.42
** RCPDESCR	grid2			
RE DISCCART	476506.0	3649692.5	62.39	79.97
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649692.5	68.73	78.35
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649692.5	72.69	79.67
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649692.5	75.39	75.39
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649692.5	72.32	77.45
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649756.5	26.53	61.82
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649756.5	30.67	58.69

HR Attach A - Aermod Output 2nd Floor

** RCPDESCR	grid2				
RE DISCCART	475713.0	3649756.5	11.79	61.82	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3649756.5	8.31	68.58	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3649756.5	8.17	68.92	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3649756.5	12.23	69.6	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3649756.5	18.79	69.6	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3649756.5	25.59	69.59	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3649756.5	33.22	68.92	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3649756.5	38.3	68.92	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3649756.5	39.46	71.44	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3649756.5	55.98	68.58	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3649756.5	64.22	68.58	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3649756.5	67.29	67.29	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3649756.5	66.98	66.98	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3649756.5	66.1	78.84	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3649756.5	71.86	78.84	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3649756.5	77.65	78.35	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3649756.5	78.76	78.76	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3649756.5	74.03	80.74	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3649820.5	35.85	59.33	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3649820.5	29.97	59.16	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3649820.5	13.71	61.82	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3649820.5	9.37	68.58	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3649820.5	9.93	68.92	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3649820.5	12.42	69.62	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3649820.5	19.46	69.59	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3649820.5	26.75	68.92	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3649820.5	33.74	68.92	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3649820.5	37.13	69.6	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3649820.5	45.84	68.92	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3649820.5	53.19	68.78	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3649820.5	63.35	68.58	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3649820.5	67.33	67.33	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3649820.5	68.83	68.83	
** RCPDESCR	grid2				

HR Attach A - Aermod Output 2nd Floor

RE DISCCART	476506.0	3649820.5	70.95	70.95
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649820.5	73.66	73.66
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649820.5	78.22	78.22
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649820.5	78.42	80.74
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649820.5	69.54	86.5
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649884.5	37.82	59.04
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649884.5	24.75	61.82
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649884.5	14.13	61.82
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649884.5	9.72	68.58
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649884.5	11.72	68.58
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649884.5	16.83	68.61
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649884.5	19.69	69.59
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649884.5	27.24	68.92
** RCPDESCR	grid2			
RE DISCCART	476079.0	3649884.5	33.28	68.78
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649884.5	38.86	68.92
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649884.5	46.51	68.58
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649884.5	50.74	68.78
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649884.5	56.5	68.61
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649884.5	61.64	67.83
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649884.5	65.55	67.29
** RCPDESCR	grid2			
RE DISCCART	476506.0	3649884.5	68.37	73.48
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649884.5	74.24	74.24
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649884.5	78.66	78.66
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649884.5	77.43	81.07
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649884.5	74.68	86.5
** RCPDESCR	grid2			
RE DISCCART	475591.0	3649948.5	36.2	59.16
** RCPDESCR	grid2			
RE DISCCART	475652.0	3649948.5	24.51	61.55
** RCPDESCR	grid2			
RE DISCCART	475713.0	3649948.5	14.25	61.82
** RCPDESCR	grid2			
RE DISCCART	475774.0	3649948.5	10.44	61.82
** RCPDESCR	grid2			
RE DISCCART	475835.0	3649948.5	11.08	89.78
** RCPDESCR	grid2			
RE DISCCART	475896.0	3649948.5	12.79	89.78
** RCPDESCR	grid2			
RE DISCCART	475957.0	3649948.5	18.1	89.78
** RCPDESCR	grid2			
RE DISCCART	476018.0	3649948.5	24.04	89.73
** RCPDESCR	grid2			

HR Attach A - Aermod Output 2nd Floor

RE DISCCART	476079.0	3649948.5	31.39	68.78
** RCPDESCR	grid2			
RE DISCCART	476140.0	3649948.5	38.88	68.58
** RCPDESCR	grid2			
RE DISCCART	476201.0	3649948.5	43.12	68.61
** RCPDESCR	grid2			
RE DISCCART	476262.0	3649948.5	46.1	69.59
** RCPDESCR	grid2			
RE DISCCART	476323.0	3649948.5	50.86	70.04
** RCPDESCR	grid2			
RE DISCCART	476384.0	3649948.5	54.54	79.64
** RCPDESCR	grid2			
RE DISCCART	476445.0	3649948.5	58.53	84.8
** RCPDESCR	grid2			
RE DISCCART	476506.0	3649948.5	64.97	83.22
** RCPDESCR	grid2			
RE DISCCART	476567.0	3649948.5	71.87	80.38
** RCPDESCR	grid2			
RE DISCCART	476628.0	3649948.5	79.15	79.15
** RCPDESCR	grid2			
RE DISCCART	476689.0	3649948.5	82.59	82.59
** RCPDESCR	grid2			
RE DISCCART	476750.0	3649948.5	83.52	86.5
** RCPDESCR	grid2			
RE DISCCART	475591.0	3650012.5	29.06	60.22
** RCPDESCR	grid2			
RE DISCCART	475652.0	3650012.5	20.89	61.77
** RCPDESCR	grid2			
RE DISCCART	475713.0	3650012.5	13.98	61.82
** RCPDESCR	grid2			
RE DISCCART	475774.0	3650012.5	11.19	89.78
** RCPDESCR	grid2			
RE DISCCART	475835.0	3650012.5	12.44	89.78
** RCPDESCR	grid2			
RE DISCCART	475896.0	3650012.5	17.04	89.78
** RCPDESCR	grid2			
RE DISCCART	475957.0	3650012.5	18.8	98.23
** RCPDESCR	grid2			
RE DISCCART	476018.0	3650012.5	23.84	98.34
** RCPDESCR	grid2			
RE DISCCART	476079.0	3650012.5	29.63	98.23
** RCPDESCR	grid2			
RE DISCCART	476140.0	3650012.5	38.72	38.72
** RCPDESCR	grid2			
RE DISCCART	476201.0	3650012.5	41.06	68.58
** RCPDESCR	grid2			
RE DISCCART	476262.0	3650012.5	43.13	99.69
** RCPDESCR	grid2			
RE DISCCART	476323.0	3650012.5	47.43	99.69
** RCPDESCR	grid2			
RE DISCCART	476384.0	3650012.5	52.3	99.69
** RCPDESCR	grid2			
RE DISCCART	476445.0	3650012.5	58.52	99.69
** RCPDESCR	grid2			
RE DISCCART	476506.0	3650012.5	65.47	99.01
** RCPDESCR	grid2			
RE DISCCART	476567.0	3650012.5	72.8	74.34
** RCPDESCR	grid2			
RE DISCCART	476628.0	3650012.5	78.03	78.03
** RCPDESCR	grid2			
RE DISCCART	476689.0	3650012.5	83.52	83.52
** RCPDESCR	grid2			
RE DISCCART	476750.0	3650012.5	85.83	85.83
** RCPDESCR	grid2			
RE DISCCART	475591.0	3650076.5	24.28	60.38
** RCPDESCR	grid2			
RE DISCCART	475652.0	3650076.5	16.98	61.77

HR Attach A - Aermod Output 2nd Floor

** RCPDESCR	grid2				
RE DISCCART	475713.0	3650076.5	11.56	89.78	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3650076.5	12.34	89.78	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3650076.5	14.63	89.78	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3650076.5	17.25	96.5	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3650076.5	20.9	98.34	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3650076.5	24.48	98.92	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3650076.5	31.03	98.34	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3650076.5	38.89	96.5	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3650076.5	40.86	99.69	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3650076.5	42.89	99.69	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3650076.5	47.5	99.69	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3650076.5	52.44	99.69	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3650076.5	58	99.69	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3650076.5	64.53	99.69	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3650076.5	68.76	99.69	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3650076.5	73.61	99.69	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3650076.5	81.06	99.69	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3650076.5	85.09	85.09	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3650140.5	20.81	60.38	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3650140.5	16.47	60.38	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3650140.5	12.75	89.78	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3650140.5	14.75	89.78	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3650140.5	16.86	89.78	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3650140.5	18.5	98.23	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3650140.5	23.54	98.34	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3650140.5	26.68	98.34	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3650140.5	33.8	98.34	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3650140.5	39.52	98.34	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3650140.5	41.03	99.69	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3650140.5	42.9	99.69	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3650140.5	47.25	99.69	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3650140.5	53.27	99.69	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3650140.5	59.71	99.69	
** RCPDESCR	grid2				

HR Attach A - Aermod Output 2nd Floor

RE DISCCART	476506.0	3650140.5	64.34	99.69
** RCPDESCR	grid2			
RE DISCCART	476567.0	3650140.5	69.13	99.69
** RCPDESCR	grid2			
RE DISCCART	476628.0	3650140.5	73.98	99.69
** RCPDESCR	grid2			
RE DISCCART	476689.0	3650140.5	80.94	99.69
** RCPDESCR	grid2			
RE DISCCART	476750.0	3650140.5	84.87	99.69
** RCPDESCR	grid2			
RE DISCCART	475591.0	3650204.5	19.25	60.38
** RCPDESCR	grid2			
RE DISCCART	475652.0	3650204.5	14.68	89.73
** RCPDESCR	grid2			
RE DISCCART	475713.0	3650204.5	18.46	89.78
** RCPDESCR	grid2			
RE DISCCART	475774.0	3650204.5	18.49	89.78
** RCPDESCR	grid2			
RE DISCCART	475835.0	3650204.5	21.2	89.78
** RCPDESCR	grid2			
RE DISCCART	475896.0	3650204.5	26.7	89.78
** RCPDESCR	grid2			
RE DISCCART	475957.0	3650204.5	30.15	89.78
** RCPDESCR	grid2			
RE DISCCART	476018.0	3650204.5	29.91	98.34
** RCPDESCR	grid2			
RE DISCCART	476079.0	3650204.5	37.6	98.23
** RCPDESCR	grid2			
RE DISCCART	476140.0	3650204.5	42.06	98.34
** RCPDESCR	grid2			
RE DISCCART	476201.0	3650204.5	43.27	99.69
** RCPDESCR	grid2			
RE DISCCART	476262.0	3650204.5	42.88	99.69
** RCPDESCR	grid2			
RE DISCCART	476323.0	3650204.5	47.16	99.69
** RCPDESCR	grid2			
RE DISCCART	476384.0	3650204.5	52.25	99.69
** RCPDESCR	grid2			
RE DISCCART	476445.0	3650204.5	59.31	99.69
** RCPDESCR	grid2			
RE DISCCART	476506.0	3650204.5	66.81	99.69
** RCPDESCR	grid2			
RE DISCCART	476567.0	3650204.5	71.93	99.69
** RCPDESCR	grid2			
RE DISCCART	476628.0	3650204.5	76.42	99.69
** RCPDESCR	grid2			
RE DISCCART	476689.0	3650204.5	85.19	99.69
** RCPDESCR	grid2			
RE DISCCART	476750.0	3650204.5	93.24	99.69
** RCPDESCR	grid2			
RE DISCCART	475591.0	3650268.5	18.41	60.38
** RCPDESCR	grid2			
RE DISCCART	475652.0	3650268.5	18.6	37.55
** RCPDESCR	grid2			
RE DISCCART	475713.0	3650268.5	21.23	89.78
** RCPDESCR	grid2			
RE DISCCART	475774.0	3650268.5	24	89.78
** RCPDESCR	grid2			
RE DISCCART	475835.0	3650268.5	26.46	89.78
** RCPDESCR	grid2			
RE DISCCART	475896.0	3650268.5	29.93	89.78
** RCPDESCR	grid2			
RE DISCCART	475957.0	3650268.5	33.97	89.78
** RCPDESCR	grid2			
RE DISCCART	476018.0	3650268.5	35.44	96.38
** RCPDESCR	grid2			
RE DISCCART	476079.0	3650268.5	38.53	98.34

HR Attach A - Aermod Output 2nd Floor

** RCPDESCR	grid2				
RE DISCCART	476140.0	3650268.5	42.61	98.34	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3650268.5	48.04	98.34	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3650268.5	48.75	99.69	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3650268.5	49.33	99.69	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3650268.5	52.95	99.69	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3650268.5	58.67	99.69	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3650268.5	64.03	99.69	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3650268.5	70.3	99.69	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3650268.5	76.01	99.69	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3650268.5	84.42	99.69	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3650268.5	98.25	98.25	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3650332.5	18.31	60.38	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3650332.5	19.44	89.15	
** RCPDESCR	grid2				
RE DISCCART	475713.0	3650332.5	24.7	89.73	
** RCPDESCR	grid2				
RE DISCCART	475774.0	3650332.5	27.37	89.78	
** RCPDESCR	grid2				
RE DISCCART	475835.0	3650332.5	32.6	89.78	
** RCPDESCR	grid2				
RE DISCCART	475896.0	3650332.5	35.3	89.78	
** RCPDESCR	grid2				
RE DISCCART	475957.0	3650332.5	38.61	89.78	
** RCPDESCR	grid2				
RE DISCCART	476018.0	3650332.5	39.66	89.78	
** RCPDESCR	grid2				
RE DISCCART	476079.0	3650332.5	41.19	96.61	
** RCPDESCR	grid2				
RE DISCCART	476140.0	3650332.5	46.25	98.23	
** RCPDESCR	grid2				
RE DISCCART	476201.0	3650332.5	50.39	98.34	
** RCPDESCR	grid2				
RE DISCCART	476262.0	3650332.5	55.88	98.34	
** RCPDESCR	grid2				
RE DISCCART	476323.0	3650332.5	57.01	98.34	
** RCPDESCR	grid2				
RE DISCCART	476384.0	3650332.5	57.21	99.69	
** RCPDESCR	grid2				
RE DISCCART	476445.0	3650332.5	61.99	99.69	
** RCPDESCR	grid2				
RE DISCCART	476506.0	3650332.5	69.22	99.69	
** RCPDESCR	grid2				
RE DISCCART	476567.0	3650332.5	73.55	99.69	
** RCPDESCR	grid2				
RE DISCCART	476628.0	3650332.5	86.02	98.73	
** RCPDESCR	grid2				
RE DISCCART	476689.0	3650332.5	94.32	98.06	
** RCPDESCR	grid2				
RE DISCCART	476750.0	3650332.5	95.16	98.98	
** RCPDESCR	grid2				
RE DISCCART	475591.0	3650396.5	18.04	89.84	
** RCPDESCR	grid2				
RE DISCCART	475652.0	3650396.5	23.86	37.79	
** RCPDESCR	grid2				

HR Attach A - Aermod Output 2nd Floor

RE DISCCART	475713.0	3650396.5	27.6	52.2
** RCPDESCR	grid2			
RE DISCCART	475774.0	3650396.5	30.37	89.78
** RCPDESCR	grid2			
RE DISCCART	475835.0	3650396.5	39.14	51.96
** RCPDESCR	grid2			
RE DISCCART	475896.0	3650396.5	42.28	89.78
** RCPDESCR	grid2			
RE DISCCART	475957.0	3650396.5	44.2	89.78
** RCPDESCR	grid2			
RE DISCCART	476018.0	3650396.5	44.83	89.78
** RCPDESCR	grid2			
RE DISCCART	476079.0	3650396.5	41.87	96.61
** RCPDESCR	grid2			
RE DISCCART	476140.0	3650396.5	52.04	89.78
** RCPDESCR	grid2			
RE DISCCART	476201.0	3650396.5	58.91	89.78
** RCPDESCR	grid2			
RE DISCCART	476262.0	3650396.5	63.68	89.78
** RCPDESCR	grid2			
RE DISCCART	476323.0	3650396.5	66.51	96.5
** RCPDESCR	grid2			
RE DISCCART	476384.0	3650396.5	65.57	98.34
** RCPDESCR	grid2			
RE DISCCART	476445.0	3650396.5	66.61	98.73
** RCPDESCR	grid2			
RE DISCCART	476506.0	3650396.5	72.24	98.73
** RCPDESCR	grid2			
RE DISCCART	476567.0	3650396.5	86.76	98.34
** RCPDESCR	grid2			
RE DISCCART	476628.0	3650396.5	96.36	96.36
** RCPDESCR	grid2			
RE DISCCART	476689.0	3650396.5	96.04	98.26
** RCPDESCR	grid2			
RE DISCCART	476750.0	3650396.5	86.52	98.98
** RCPDESCR	grid2			
RE DISCCART	475591.0	3650460.5	18.42	90.73
** RCPDESCR	grid2			
RE DISCCART	475652.0	3650460.5	26.12	38.13
** RCPDESCR	grid2			
RE DISCCART	475713.0	3650460.5	32.84	37.48
** RCPDESCR	grid2			
RE DISCCART	475774.0	3650460.5	36.03	50.09
** RCPDESCR	grid2			
RE DISCCART	475835.0	3650460.5	39.45	89.73
** RCPDESCR	grid2			
RE DISCCART	475896.0	3650460.5	46.26	52.71
** RCPDESCR	grid2			
RE DISCCART	475957.0	3650460.5	52.2	52.2
** RCPDESCR	grid2			
RE DISCCART	476018.0	3650460.5	50.73	89.78
** RCPDESCR	grid2			
RE DISCCART	476079.0	3650460.5	41.74	96.5
** RCPDESCR	grid2			
RE DISCCART	476140.0	3650460.5	55.89	89.78
** RCPDESCR	grid2			
RE DISCCART	476201.0	3650460.5	68.83	89.78
** RCPDESCR	grid2			
RE DISCCART	476262.0	3650460.5	77.52	89.78
** RCPDESCR	grid2			
RE DISCCART	476323.0	3650460.5	77.15	89.78
** RCPDESCR	grid2			
RE DISCCART	476384.0	3650460.5	75.46	89.78
** RCPDESCR	grid2			
RE DISCCART	476445.0	3650460.5	78.87	96.38
** RCPDESCR	grid2			
RE DISCCART	476506.0	3650460.5	84.07	96.38

HR Attach A - Aermod Output 2nd Floor

```
** RCPDESCR grid2
RE DISCCART 476567.0 3650460.5 91.46 91.46
** RCPDESCR grid2
RE DISCCART 476628.0 3650460.5 86.45 98.34
** RCPDESCR grid2
RE DISCCART 476689.0 3650460.5 76.13 99.69
** RCPDESCR grid2
RE DISCCART 476750.0 3650460.5 73.57 99.69
** RCPDESCR grid2
RE FINISHED
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** SURFFILE "C:\Users\ryan_000\OneDrive\LDNWOR~1\GENEVI~1\4-12-16\AQMODE~1\BREEZE~1\KMA_20~1\KMA2012V15181.SFC"
ME PROFFILE "C:\Users\ryan_000\OneDrive\LDNWOR~1\GENEVI~1\4-12-16\AQMODE~1\BREEZE~1\KMA_20~1\KMA2012V15181.PFL"
** PROFFILE "C:\Users\ryan_000\OneDrive\LDNWOR~1\GENEVI~1\4-12-16\AQMODE~1\BREEZE~1\KMA_20~1\KMA2012V15181.PFL"
ME SURFDATA 93107 2012 KERNEYESACLOSESTMEDDATATOSITE
ME UAIRDATA 3190 2012 KERNEYESACLOSESTMEDDATATOSITE
ME SITEDATA 00001016 2012 KERNEYESACLOSESTMEDDATATOSITE
ME PROFBASE 20 METERS
ME STARTEND 2012 1 1 1 2012 12 31 24
ME FINISHED
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OU STARTING
OU FILEFORM FIX
OU PLOTFILE ANNUAL ALL ALL`ANNUAL.plt 10000
OU FINISHED
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** *****
** It is recommended that the user not edit any data below this line
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** BUILDING BLD 0 0 41.43 8 86
** BUILDING IDN DDXFI008
** BUILDING NAM Building
** BUILDING CRN 476218.2 3650119.7
** BUILDING CRN 476193.8 3650119.8
** BUILDING CRN 476186.6 3650114.9
** BUILDING CRN 476184.1 3650114.8
** BUILDING CRN 476183.8 3650108.9
** BUILDING CRN 476185 3650108.6
** BUILDING CRN 476185 3650104.8
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** BUILDING CRN 476184.9 3650100.7
** BUILDING CRN 476186.7 3650100.7
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** BUILDING CRN 476195.8 3650047
** BUILDING CRN 476199 3650042.8
** BUILDING CRN 476201 3650037.3
** BUILDING CRN 476203.4 3650037.1
** BUILDING CRN 476203.1 3650034.8
** BUILDING CRN 476205 3650034.8
** BUILDING CRN 476203.1 3650029.5
** BUILDING CRN 476200.8 3650025.2
** BUILDING CRN 476199 3650022.7
** BUILDING CRN 476199.1 3650021
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** BUILDING CRN 476190.1 3650023
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HR Attach A - Aermod Output 2nd Floor

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** BUILDING CRN 476181 3650022.4
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** BUILDING CRN 476180.4 3650013.2
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** BUILDING CRN 476180.4 3649978.8
** BUILDING CRN 476181.3 3649971
** BUILDING CRN 476182.9 3649970.5
** BUILDING CRN 476184.1 3649949.5
** BUILDING CRN 476192.1 3649949.8
** BUILDING CRN 476192.1 3649950.7
** BUILDING CRN 476193.9 3649950.7
** BUILDING CRN 476194.4 3649949.4
** BUILDING CRN 476201.4 3649950
** BUILDING CRN 476201.1 3649966.5
** BUILDING CRN 476202.8 3649967.3
** BUILDING CRN 476202.5 3649975.6
** BUILDING CRN 476201 3649975.4
** BUILDING CRN 476199.9 3649987.9
** BUILDING CRN 476215.1 3649988.2
** BUILDING CRN 476214.3 3649996.9
** BUILDING CRN 476212.3 3649997.7
** BUILDING CRN 476211.9 3649999.2
** BUILDING CRN 476213.4 3650000.1
** BUILDING CRN 476212.2 3650016.9
** BUILDING CRN 476208.5 3650016.9
** BUILDING CRN 476207.1 3650020.9
** BUILDING CRN 476204.5 3650023
** BUILDING CRN 476207.6 3650028.1
** BUILDING CRN 476208.7 3650035.1
** BUILDING CRN 476208 3650040
** BUILDING CRN 476210 3650040.5
** BUILDING CRN 476208.7 3650052
** BUILDING CRN 476207.7 3650052.5
** BUILDING CRN 476206.7 3650058
** BUILDING CRN 476208.4 3650058.5
** BUILDING CRN 476207.1 3650066.4
** BUILDING CRN 476205.4 3650066.3
** BUILDING CRN 476205.3 3650069
** BUILDING CRN 476207.7 3650069.5
** BUILDING CRN 476207.4 3650071.8
** BUILDING CRN 476208.5 3650073
** BUILDING CRN 476207.7 3650076.4
** BUILDING CRN 476206.7 3650076.4
** BUILDING CRN 476206.4 3650077.9
** BUILDING CRN 476207.9 3650078.7
** BUILDING CRN 476207.1 3650082.6
** BUILDING CRN 476206.4 3650082.4
** BUILDING CRN 476205.4 3650088.5
** BUILDING CRN 476207.1 3650088.8
** BUILDING CRN 476205.4 3650099.4
** BUILDING CRN 476206.8 3650101
** BUILDING CRN 476218.3 3650101.7
** BUILDING CRN 476218.2 3650104.8
** BUILDING CRN 476218.2 3650119.7

** TAG NAM DDXFI3PS
** TAG PRM 0 2 F F 1 255,0,0,0
** TAG CRD
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650478.1,0,476067.5,3650508.6,0,476067.5,3650508.6,0
** TAG NAM DDXFI3QL
** TAG PRM 0 2 F F 1 255,0,0,0
** TAG CRD
476306.0,3649246.9,0,476245.1,3649412.6,0,476175.9,3649662.2,0,476148.7,3649907.6,0,476062.7,3650511.7,0,476062.7,3
650511.7,0

** TERRFILE C:\USERS\RYAN_000\ONEDRIVE\LDNWOR~1\GENEVI~1\4-12-16\AQMODE~1\BREEZE~1\NEDU99~1\NEDU99048667.TIF 2 0

```

HR Attach A - Aermod Output 2nd Floor

WGS84 11 0 474902.5 3648489.0 474910.4 3651566.5 477685.7 3651559.8 477678.7 3648482.3

** AMPTYPE NED
** AMPDATUM 2
** AMPZONE 11
** AMPHEMISPHERE N

** PROJECTION UTM
** DATUM WGE
** UNITS METER
** ZONE 11
** HEMISPHERE N
** ORIGINLON 0
** ORIGINLAT 0
** PARALLEL1 0
** PARALLEL2 0
** AZIMUTH 0
** SCALEFACT 0
** FALSEEAST 0
** FALSENORTH 0

** POSTFMT UNIFORM
** TEMPLATE USERDEFINED
** AERMODEXE AERMOD_BREEZE_16216.EXE
** AERMAPEXE AERMAP_EPA_11103.EXE

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
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*** 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:
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

HR Attach A - Aermod Output 2nd Floor

**This Run Includes: 32 Source(s); 1 Source Group(s); and 408 Receptor(s)

with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 32 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: 15181

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE 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) = 20.00 ; 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 = 3.6 MB of RAM.

**Input Runstream File: AERMOD.INP

**Output Print File: AERMOD.OUT

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
DDXFI3QM	0	0.14633E-04	476299.1	3649265.7	23.1	3.00	18.60	2.79	NO	
DDXFI3QN	0	0.14633E-04	476285.3	3649303.2	24.7	3.00	18.60	2.79	NO	
DDXFI3QO	0	0.14633E-04	476271.5	3649340.8	25.9	3.00	18.60	2.79	NO	
DDXFI3QP	0	0.14633E-04	476257.7	3649378.3	27.1	3.00	18.60	2.79	NO	
DDXFI3QQ	0	0.14633E-04	476244.2	3649415.9	28.3	3.00	18.60	2.79	NO	
DDXFI3QR	0	0.14633E-04	476233.5	3649454.5	29.5	3.00	18.60	2.79	NO	
DDXFI3QS	0	0.14633E-04	476222.8	3649493.0	30.6	3.00	18.60	2.79	NO	
DDXFI3QT	0	0.14633E-04	476212.1	3649531.6	31.7	3.00	18.60	2.79	NO	
DDXFI3QU	0	0.14633E-04	476201.4	3649570.1	32.7	3.00	18.60	2.79	NO	
DDXFI3QV	0	0.14633E-04	476190.7	3649608.7	33.8	3.00	18.60	2.79	NO	
DDXFI3QW	0	0.14633E-04	476180.1	3649647.2	34.7	3.00	18.60	2.79	NO	
DDXFI3QX	0	0.14633E-04	476173.2	3649686.5	35.4	3.00	18.60	2.79	NO	
DDXFI3QY	0	0.14633E-04	476168.8	3649726.3	35.8	3.00	18.60	2.79	NO	

HR Attach A - Aermod Output 2nd Floor

DDXFI3QZ	0	0.14633E-04	476164.4	3649766.0	36.8	3.00	18.60	2.79	NO
DDXFI3R0	0	0.14633E-04	476160.0	3649805.8	37.3	3.00	18.60	2.79	NO
DDXFI3R1	0	0.14633E-04	476155.6	3649845.5	36.8	3.00	18.60	2.79	NO
DDXFI3R2	0	0.14633E-04	476151.2	3649885.3	39.8	3.00	18.60	2.79	NO
DDXFI3R3	0	0.14633E-04	476146.2	3649925.0	39.2	3.00	18.60	2.79	NO
DDXFI3R4	0	0.14633E-04	476140.6	3649964.6	38.9	3.00	18.60	2.79	NO
DDXFI3R5	0	0.14633E-04	476135.0	3650004.2	38.5	3.00	18.60	2.79	NO
DDXFI3R6	0	0.14633E-04	476129.3	3650043.8	38.4	3.00	18.60	2.79	NO
DDXFI3R7	0	0.14633E-04	476123.7	3650083.4	38.4	3.00	18.60	2.79	NO
DDXFI3R8	0	0.14633E-04	476118.0	3650123.0	38.5	3.00	18.60	2.79	NO
DDXFI3R9	0	0.14633E-04	476112.4	3650162.6	38.7	3.00	18.60	2.79	NO
DDXFI3RA	0	0.14633E-04	476106.8	3650202.2	39.3	3.00	18.60	2.79	NO
DDXFI3RB	0	0.14633E-04	476101.1	3650241.8	39.6	3.00	18.60	2.79	NO
DDXFI3RC	0	0.14633E-04	476095.5	3650281.4	40.4	3.00	18.60	2.79	NO
DDXFI3RD	0	0.14633E-04	476089.9	3650321.0	41.5	3.00	18.60	2.79	NO
DDXFI3RE	0	0.14633E-04	476084.2	3650360.6	41.8	3.00	18.60	2.79	NO
DDXFI3RF	0	0.14633E-04	476078.6	3650400.2	41.9	3.00	18.60	2.79	NO
DDXFI3RG	0	0.14633E-04	476072.9	3650439.8	41.7	3.00	18.60	2.79	NO
DDXFI3RH	0	0.14633E-04	476067.3	3650479.4	41.8	3.00	18.60	2.79	NO

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP , DDXFI3QQ , DDXFI3QR , DDXFI3QS ,
DDXFI3QT	, DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX , DDXFI3QY , DDXFI3QZ , DDXFI3R0 ,
DDXFI3R1	, DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 , DDXFI3R6 , DDXFI3R7 , DDXFI3R8 ,
DDXFI3R9	, DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD , DDXFI3RE , DDXFI3RF , DDXFI3RG ,
DDXFI3RH	, DDXFI3RH

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** DISCRETE CARTESIAN RECEPTORS ***

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

(475591.0, 3649244.5, 17.7, 56.1, 0.0);	(475652.0, 3649244.5, 7.5, 56.1, 0.0);
(475713.0, 3649244.5, 6.2, 56.1, 0.0);	(475774.0, 3649244.5, 4.8, 56.1, 0.0);
(475835.0, 3649244.5, 3.5, 50.8, 0.0);	(475896.0, 3649244.5, 5.4, 50.8, 0.0);
(475957.0, 3649244.5, 29.7, 31.9, 0.0);	(476018.0, 3649244.5, 30.9, 48.9, 0.0);
(476079.0, 3649244.5, 30.6, 50.8, 0.0);	(476140.0, 3649244.5, 35.2, 39.9, 0.0);

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(476201.0, 3649244.5, 20.4, 50.8, 0.0);	(476262.0, 3649244.5, 21.6, 50.8, 0.0);
(476323.0, 3649244.5, 22.6, 70.2, 0.0);	(476384.0, 3649244.5, 20.4, 80.0, 0.0);
(476445.0, 3649244.5, 10.5, 80.7, 0.0);	(476506.0, 3649244.5, 10.2, 85.8, 0.0);
(476567.0, 3649244.5, 8.8, 86.5, 0.0);	(476628.0, 3649244.5, 8.8, 86.5, 0.0);
(476689.0, 3649244.5, 9.9, 86.5, 0.0);	(476750.0, 3649244.5, 9.9, 88.4, 0.0);
(475591.0, 3649308.5, 19.1, 56.1, 0.0);	(475652.0, 3649308.5, 6.6, 56.1, 0.0);
(475713.0, 3649308.5, 5.6, 56.1, 0.0);	(475774.0, 3649308.5, 4.7, 56.1, 0.0);
(475835.0, 3649308.5, 3.7, 50.8, 0.0);	(475896.0, 3649308.5, 4.6, 67.3, 0.0);
(475957.0, 3649308.5, 8.7, 67.3, 0.0);	(476018.0, 3649308.5, 30.5, 50.8, 0.0);
(476079.0, 3649308.5, 36.4, 50.8, 0.0);	(476140.0, 3649308.5, 38.7, 50.8, 0.0);
(476201.0, 3649308.5, 27.6, 50.8, 0.0);	(476262.0, 3649308.5, 24.8, 50.8, 0.0);
(476323.0, 3649308.5, 22.1, 80.0, 0.0);	(476384.0, 3649308.5, 27.3, 79.3, 0.0);
(476445.0, 3649308.5, 22.8, 80.7, 0.0);	(476506.0, 3649308.5, 22.5, 80.7, 0.0);
(476567.0, 3649308.5, 20.8, 81.0, 0.0);	(476628.0, 3649308.5, 22.7, 81.0, 0.0);
(476689.0, 3649308.5, 29.2, 80.7, 0.0);	(476750.0, 3649308.5, 14.9, 88.1, 0.0);
(475591.0, 3649372.5, 17.2, 56.1, 0.0);	(475652.0, 3649372.5, 8.1, 61.8, 0.0);
(475713.0, 3649372.5, 5.5, 56.5, 0.0);	(475774.0, 3649372.5, 4.1, 56.1, 0.0);
(475835.0, 3649372.5, 3.3, 67.8, 0.0);	(475896.0, 3649372.5, 4.9, 68.6, 0.0);
(475957.0, 3649372.5, 12.3, 68.1, 0.0);	(476018.0, 3649372.5, 36.4, 50.8, 0.0);
(476079.0, 3649372.5, 44.4, 50.8, 0.0);	(476140.0, 3649372.5, 44.0, 50.8, 0.0);
(476201.0, 3649372.5, 31.8, 50.8, 0.0);	(476262.0, 3649372.5, 26.9, 68.1, 0.0);
(476323.0, 3649372.5, 32.8, 33.9, 0.0);	(476384.0, 3649372.5, 32.2, 79.7, 0.0);
(476445.0, 3649372.5, 30.7, 80.7, 0.0);	(476506.0, 3649372.5, 28.7, 80.7, 0.0);
(476567.0, 3649372.5, 43.5, 74.7, 0.0);	(476628.0, 3649372.5, 44.6, 74.7, 0.0);
(476689.0, 3649372.5, 47.2, 73.5, 0.0);	(476750.0, 3649372.5, 24.9, 86.5, 0.0);
(475591.0, 3649436.5, 13.8, 61.8, 0.0);	(475652.0, 3649436.5, 9.4, 61.8, 0.0);
(475713.0, 3649436.5, 5.2, 61.8, 0.0);	(475774.0, 3649436.5, 3.3, 61.8, 0.0);
(475835.0, 3649436.5, 3.2, 68.6, 0.0);	(475896.0, 3649436.5, 7.2, 68.6, 0.0);
(475957.0, 3649436.5, 15.3, 68.6, 0.0);	(476018.0, 3649436.5, 29.6, 50.8, 0.0);
(476079.0, 3649436.5, 47.9, 48.9, 0.0);	(476140.0, 3649436.5, 50.0, 50.0, 0.0);
(476201.0, 3649436.5, 30.6, 68.6, 0.0);	(476262.0, 3649436.5, 28.6, 79.3, 0.0);
(476323.0, 3649436.5, 35.4, 67.4, 0.0);	(476384.0, 3649436.5, 33.7, 80.0, 0.0);
(476445.0, 3649436.5, 35.5, 80.7, 0.0);	(476506.0, 3649436.5, 38.6, 80.7, 0.0);
(476567.0, 3649436.5, 55.9, 68.9, 0.0);	(476628.0, 3649436.5, 59.2, 69.1, 0.0);

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0.0);							
(476689.0, 3649436.5,	54.8,	73.4,	0.0);	(476750.0, 3649436.5,	33.0,	86.2,	
0.0);							
(475591.0, 3649500.5,	17.2,	61.8,	0.0);	(475652.0, 3649500.5,	15.9,	61.8,	
0.0);							
(475713.0, 3649500.5,	8.5,	61.8,	0.0);	(475774.0, 3649500.5,	3.6,	68.6,	
0.0);							
(475835.0, 3649500.5,	3.2,	68.8,	0.0);	(475896.0, 3649500.5,	6.5,	68.9,	
0.0);							
(475957.0, 3649500.5,	14.1,	68.8,	0.0);	(476018.0, 3649500.5,	20.9,	68.6,	
0.0);							
(476079.0, 3649500.5,	33.6,	50.8,	0.0);	(476140.0, 3649500.5,	37.7,	50.8,	
0.0);							

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

(476201.0, 3649500.5,	31.4,	68.9,	0.0);	(476262.0, 3649500.5,	34.1,	69.4,	
0.0);							
(476323.0, 3649500.5,	40.1,	68.6,	0.0);	(476384.0, 3649500.5,	42.9,	75.4,	
0.0);							
(476445.0, 3649500.5,	47.6,	57.4,	0.0);	(476506.0, 3649500.5,	39.0,	80.7,	
0.0);							
(476567.0, 3649500.5,	48.5,	80.0,	0.0);	(476628.0, 3649500.5,	62.7,	70.0,	
0.0);							
(476689.0, 3649500.5,	68.3,	68.3,	0.0);	(476750.0, 3649500.5,	40.5,	81.0,	
0.0);							
(475591.0, 3649564.5,	30.0,	38.9,	0.0);	(475652.0, 3649564.5,	24.3,	56.1,	
0.0);							
(475713.0, 3649564.5,	16.9,	61.1,	0.0);	(475774.0, 3649564.5,	4.5,	68.6,	
0.0);							
(475835.0, 3649564.5,	4.1,	68.9,	0.0);	(475896.0, 3649564.5,	7.8,	69.6,	
0.0);							
(475957.0, 3649564.5,	13.2,	69.6,	0.0);	(476018.0, 3649564.5,	18.5,	69.6,	
0.0);							
(476079.0, 3649564.5,	24.5,	69.6,	0.0);	(476140.0, 3649564.5,	33.4,	68.6,	
0.0);							
(476201.0, 3649564.5,	32.6,	70.0,	0.0);	(476262.0, 3649564.5,	43.7,	68.6,	
0.0);							
(476323.0, 3649564.5,	44.3,	68.6,	0.0);	(476384.0, 3649564.5,	47.8,	67.6,	
0.0);							
(476445.0, 3649564.5,	52.5,	57.4,	0.0);	(476506.0, 3649564.5,	50.8,	80.5,	
0.0);							
(476567.0, 3649564.5,	56.6,	80.0,	0.0);	(476628.0, 3649564.5,	62.9,	74.7,	
0.0);							
(476689.0, 3649564.5,	70.3,	70.3,	0.0);	(476750.0, 3649564.5,	50.9,	80.7,	
0.0);							
(475591.0, 3649628.5,	37.2,	38.3,	0.0);	(475652.0, 3649628.5,	23.0,	61.8,	
0.0);							
(475713.0, 3649628.5,	11.7,	61.8,	0.0);	(475774.0, 3649628.5,	6.6,	68.6,	
0.0);							
(475835.0, 3649628.5,	5.3,	69.6,	0.0);	(475896.0, 3649628.5,	8.3,	70.5,	
0.0);							
(475957.0, 3649628.5,	15.8,	69.6,	0.0);	(476018.0, 3649628.5,	22.7,	68.9,	
0.0);							
(476079.0, 3649628.5,	28.5,	68.9,	0.0);	(476140.0, 3649628.5,	33.8,	68.9,	
0.0);							
(476201.0, 3649628.5,	34.1,	72.0,	0.0);	(476262.0, 3649628.5,	49.3,	68.6,	
0.0);							

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(476323.0, 3649628.5, 49.6, 68.9, 0.0);	(476384.0, 3649628.5, 52.5, 68.6, 0.0);
(476445.0, 3649628.5, 57.7, 61.1, 0.0);	(476506.0, 3649628.5, 57.2, 80.0, 0.0);
(476567.0, 3649628.5, 62.6, 80.0, 0.0);	(476628.0, 3649628.5, 67.2, 79.3, 0.0);
(476689.0, 3649628.5, 72.4, 72.4, 0.0);	(476750.0, 3649628.5, 66.9, 75.0, 0.0);
(475591.0, 3649692.5, 29.4, 61.8, 0.0);	(475652.0, 3649692.5, 18.6, 61.8, 0.0);
(475713.0, 3649692.5, 12.7, 61.8, 0.0);	(475774.0, 3649692.5, 7.5, 68.6, 0.0);
(475835.0, 3649692.5, 5.9, 69.6, 0.0);	(475896.0, 3649692.5, 11.1, 69.6, 0.0);
(475957.0, 3649692.5, 17.3, 69.6, 0.0);	(476018.0, 3649692.5, 26.6, 68.9, 0.0);
(476079.0, 3649692.5, 31.2, 68.9, 0.0);	(476140.0, 3649692.5, 38.5, 68.9, 0.0);
(476201.0, 3649692.5, 35.3, 73.1, 0.0);	(476262.0, 3649692.5, 55.2, 68.6, 0.0);
(476323.0, 3649692.5, 59.5, 68.1, 0.0);	(476384.0, 3649692.5, 58.6, 68.6, 0.0);
(476445.0, 3649692.5, 62.4, 65.4, 0.0);	(476506.0, 3649692.5, 62.4, 80.0, 0.0);
(476567.0, 3649692.5, 68.7, 78.3, 0.0);	(476628.0, 3649692.5, 72.7, 79.7, 0.0);
(476689.0, 3649692.5, 75.4, 75.4, 0.0);	(476750.0, 3649692.5, 72.3, 77.5, 0.0);
(475591.0, 3649756.5, 26.5, 61.8, 0.0);	(475652.0, 3649756.5, 30.7, 58.7, 0.0);
(475713.0, 3649756.5, 11.8, 61.8, 0.0);	(475774.0, 3649756.5, 8.3, 68.6, 0.0);
(475835.0, 3649756.5, 8.2, 68.9, 0.0);	(475896.0, 3649756.5, 12.2, 69.6, 0.0);
(475957.0, 3649756.5, 18.8, 69.6, 0.0);	(476018.0, 3649756.5, 25.6, 69.6, 0.0);
(476079.0, 3649756.5, 33.2, 68.9, 0.0);	(476140.0, 3649756.5, 38.3, 68.9, 0.0);
(476201.0, 3649756.5, 39.5, 71.4, 0.0);	(476262.0, 3649756.5, 56.0, 68.6, 0.0);
(476323.0, 3649756.5, 64.2, 68.6, 0.0);	(476384.0, 3649756.5, 67.3, 67.3, 0.0);
(476445.0, 3649756.5, 67.0, 67.0, 0.0);	(476506.0, 3649756.5, 66.1, 78.8, 0.0);
(476567.0, 3649756.5, 71.9, 78.8, 0.0);	(476628.0, 3649756.5, 77.6, 78.3, 0.0);
(476689.0, 3649756.5, 78.8, 78.8, 0.0);	(476750.0, 3649756.5, 74.0, 80.7, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
08/08/17

*** AERMET - VERSION 15181 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV RURAL

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

(475591.0, 3649820.5, 35.8, 59.3, 0.0);	(475652.0, 3649820.5, 30.0, 59.2, 0.0);
(475713.0, 3649820.5, 13.7, 61.8, 0.0);	(475774.0, 3649820.5, 9.4, 68.6, 0.0);
(475835.0, 3649820.5, 9.9, 68.9, 0.0);	(475896.0, 3649820.5, 12.4, 69.6, 0.0);
(475957.0, 3649820.5, 19.5, 69.6, 0.0);	(476018.0, 3649820.5, 26.8, 68.9, 0.0);

HR Attach A - Aermod Output 2nd Floor

0.0);							
(476079.0, 3649820.5,	33.7,	68.9,	0.0);	(476140.0, 3649820.5,	37.1,	69.6,	
0.0);							
(476201.0, 3649820.5,	45.8,	68.9,	0.0);	(476262.0, 3649820.5,	53.2,	68.8,	
0.0);							
(476323.0, 3649820.5,	63.3,	68.6,	0.0);	(476384.0, 3649820.5,	67.3,	67.3,	
0.0);							
(476445.0, 3649820.5,	68.8,	68.8,	0.0);	(476506.0, 3649820.5,	71.0,	71.0,	
0.0);							
(476567.0, 3649820.5,	73.7,	73.7,	0.0);	(476628.0, 3649820.5,	78.2,	78.2,	
0.0);							
(476689.0, 3649820.5,	78.4,	80.7,	0.0);	(476750.0, 3649820.5,	69.5,	86.5,	
0.0);							
(475591.0, 3649884.5,	37.8,	59.0,	0.0);	(475652.0, 3649884.5,	24.8,	61.8,	
0.0);							
(475713.0, 3649884.5,	14.1,	61.8,	0.0);	(475774.0, 3649884.5,	9.7,	68.6,	
0.0);							
(475835.0, 3649884.5,	11.7,	68.6,	0.0);	(475896.0, 3649884.5,	16.8,	68.6,	
0.0);							
(475957.0, 3649884.5,	19.7,	69.6,	0.0);	(476018.0, 3649884.5,	27.2,	68.9,	
0.0);							
(476079.0, 3649884.5,	33.3,	68.8,	0.0);	(476140.0, 3649884.5,	38.9,	68.9,	
0.0);							
(476201.0, 3649884.5,	46.5,	68.6,	0.0);	(476262.0, 3649884.5,	50.7,	68.8,	
0.0);							
(476323.0, 3649884.5,	56.5,	68.6,	0.0);	(476384.0, 3649884.5,	61.6,	67.8,	
0.0);							
(476445.0, 3649884.5,	65.5,	67.3,	0.0);	(476506.0, 3649884.5,	68.4,	73.5,	
0.0);							
(476567.0, 3649884.5,	74.2,	74.2,	0.0);	(476628.0, 3649884.5,	78.7,	78.7,	
0.0);							
(476689.0, 3649884.5,	77.4,	81.1,	0.0);	(476750.0, 3649884.5,	74.7,	86.5,	
0.0);							
(475591.0, 3649948.5,	36.2,	59.2,	0.0);	(475652.0, 3649948.5,	24.5,	61.5,	
0.0);							
(475713.0, 3649948.5,	14.2,	61.8,	0.0);	(475774.0, 3649948.5,	10.4,	61.8,	
0.0);							
(475835.0, 3649948.5,	11.1,	89.8,	0.0);	(475896.0, 3649948.5,	12.8,	89.8,	
0.0);							
(475957.0, 3649948.5,	18.1,	89.8,	0.0);	(476018.0, 3649948.5,	24.0,	89.7,	
0.0);							
(476079.0, 3649948.5,	31.4,	68.8,	0.0);	(476140.0, 3649948.5,	38.9,	68.6,	
0.0);							
(476201.0, 3649948.5,	43.1,	68.6,	0.0);	(476262.0, 3649948.5,	46.1,	69.6,	
0.0);							
(476323.0, 3649948.5,	50.9,	70.0,	0.0);	(476384.0, 3649948.5,	54.5,	79.6,	
0.0);							
(476445.0, 3649948.5,	58.5,	84.8,	0.0);	(476506.0, 3649948.5,	65.0,	83.2,	
0.0);							
(476567.0, 3649948.5,	71.9,	80.4,	0.0);	(476628.0, 3649948.5,	79.1,	79.1,	
0.0);							
(476689.0, 3649948.5,	82.6,	82.6,	0.0);	(476750.0, 3649948.5,	83.5,	86.5,	
0.0);							
(475591.0, 3650012.5,	29.1,	60.2,	0.0);	(475652.0, 3650012.5,	20.9,	61.8,	
0.0);							
(475713.0, 3650012.5,	14.0,	61.8,	0.0);	(475774.0, 3650012.5,	11.2,	89.8,	
0.0);							
(475835.0, 3650012.5,	12.4,	89.8,	0.0);	(475896.0, 3650012.5,	17.0,	89.8,	
0.0);							
(475957.0, 3650012.5,	18.8,	98.2,	0.0);	(476018.0, 3650012.5,	23.8,	98.3,	
0.0);							
(476079.0, 3650012.5,	29.6,	98.2,	0.0);	(476140.0, 3650012.5,	38.7,	38.7,	
0.0);							
(476201.0, 3650012.5,	41.1,	68.6,	0.0);	(476262.0, 3650012.5,	43.1,	99.7,	
0.0);							
(476323.0, 3650012.5,	47.4,	99.7,	0.0);	(476384.0, 3650012.5,	52.3,	99.7,	
0.0);							

HR Attach A - Aermod Output 2nd Floor

(476445.0, 3650012.5, 58.5, 99.7, 0.0);	(476506.0, 3650012.5, 65.5, 99.0, 0.0);
(476567.0, 3650012.5, 72.8, 74.3, 0.0);	(476628.0, 3650012.5, 78.0, 78.0, 0.0);
(476689.0, 3650012.5, 83.5, 83.5, 0.0);	(476750.0, 3650012.5, 85.8, 85.8, 0.0);
(475591.0, 3650076.5, 24.3, 60.4, 0.0);	(475652.0, 3650076.5, 17.0, 61.8, 0.0);
(475713.0, 3650076.5, 11.6, 89.8, 0.0);	(475774.0, 3650076.5, 12.3, 89.8, 0.0);
(475835.0, 3650076.5, 14.6, 89.8, 0.0);	(475896.0, 3650076.5, 17.2, 96.5, 0.0);
(475957.0, 3650076.5, 20.9, 98.3, 0.0);	(476018.0, 3650076.5, 24.5, 98.9, 0.0);
(476079.0, 3650076.5, 31.0, 98.3, 0.0);	(476140.0, 3650076.5, 38.9, 96.5, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
 08/08/17
 *** AERMET - VERSION 15181 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

(476201.0, 3650076.5, 40.9, 99.7, 0.0);	(476262.0, 3650076.5, 42.9, 99.7, 0.0);
(476323.0, 3650076.5, 47.5, 99.7, 0.0);	(476384.0, 3650076.5, 52.4, 99.7, 0.0);
(476445.0, 3650076.5, 58.0, 99.7, 0.0);	(476506.0, 3650076.5, 64.5, 99.7, 0.0);
(476567.0, 3650076.5, 68.8, 99.7, 0.0);	(476628.0, 3650076.5, 73.6, 99.7, 0.0);
(476689.0, 3650076.5, 81.1, 99.7, 0.0);	(476750.0, 3650076.5, 85.1, 85.1, 0.0);
(475591.0, 3650140.5, 20.8, 60.4, 0.0);	(475652.0, 3650140.5, 16.5, 60.4, 0.0);
(475713.0, 3650140.5, 12.8, 89.8, 0.0);	(475774.0, 3650140.5, 14.8, 89.8, 0.0);
(475835.0, 3650140.5, 16.9, 89.8, 0.0);	(475896.0, 3650140.5, 18.5, 98.2, 0.0);
(475957.0, 3650140.5, 23.5, 98.3, 0.0);	(476018.0, 3650140.5, 26.7, 98.3, 0.0);
(476079.0, 3650140.5, 33.8, 98.3, 0.0);	(476140.0, 3650140.5, 39.5, 98.3, 0.0);
(476201.0, 3650140.5, 41.0, 99.7, 0.0);	(476262.0, 3650140.5, 42.9, 99.7, 0.0);
(476323.0, 3650140.5, 47.2, 99.7, 0.0);	(476384.0, 3650140.5, 53.3, 99.7, 0.0);
(476445.0, 3650140.5, 59.7, 99.7, 0.0);	(476506.0, 3650140.5, 64.3, 99.7, 0.0);
(476567.0, 3650140.5, 69.1, 99.7, 0.0);	(476628.0, 3650140.5, 74.0, 99.7, 0.0);
(476689.0, 3650140.5, 80.9, 99.7, 0.0);	(476750.0, 3650140.5, 84.9, 99.7, 0.0);
(475591.0, 3650204.5, 19.2, 60.4, 0.0);	(475652.0, 3650204.5, 14.7, 89.7, 0.0);
(475713.0, 3650204.5, 18.5, 89.8, 0.0);	(475774.0, 3650204.5, 18.5, 89.8, 0.0);
(475835.0, 3650204.5, 21.2, 89.8, 0.0);	(475896.0, 3650204.5, 26.7, 89.8, 0.0);
(475957.0, 3650204.5, 30.2, 89.8, 0.0);	(476018.0, 3650204.5, 29.9, 98.3, 0.0);
(476079.0, 3650204.5, 37.6, 98.2, 0.0);	(476140.0, 3650204.5, 42.1, 98.3, 0.0);

HR Attach A - Aermod Output 2nd Floor

0.0);							
(476201.0, 3650204.5,	43.3,	99.7,	0.0);	(476262.0, 3650204.5,	42.9,	99.7,	
0.0);							
(476323.0, 3650204.5,	47.2,	99.7,	0.0);	(476384.0, 3650204.5,	52.2,	99.7,	
0.0);							
(476445.0, 3650204.5,	59.3,	99.7,	0.0);	(476506.0, 3650204.5,	66.8,	99.7,	
0.0);							
(476567.0, 3650204.5,	71.9,	99.7,	0.0);	(476628.0, 3650204.5,	76.4,	99.7,	
0.0);							
(476689.0, 3650204.5,	85.2,	99.7,	0.0);	(476750.0, 3650204.5,	93.2,	99.7,	
0.0);							
(475591.0, 3650268.5,	18.4,	60.4,	0.0);	(475652.0, 3650268.5,	18.6,	37.5,	
0.0);							
(475713.0, 3650268.5,	21.2,	89.8,	0.0);	(475774.0, 3650268.5,	24.0,	89.8,	
0.0);							
(475835.0, 3650268.5,	26.5,	89.8,	0.0);	(475896.0, 3650268.5,	29.9,	89.8,	
0.0);							
(475957.0, 3650268.5,	34.0,	89.8,	0.0);	(476018.0, 3650268.5,	35.4,	96.4,	
0.0);							
(476079.0, 3650268.5,	38.5,	98.3,	0.0);	(476140.0, 3650268.5,	42.6,	98.3,	
0.0);							
(476201.0, 3650268.5,	48.0,	98.3,	0.0);	(476262.0, 3650268.5,	48.8,	99.7,	
0.0);							
(476323.0, 3650268.5,	49.3,	99.7,	0.0);	(476384.0, 3650268.5,	52.9,	99.7,	
0.0);							
(476445.0, 3650268.5,	58.7,	99.7,	0.0);	(476506.0, 3650268.5,	64.0,	99.7,	
0.0);							
(476567.0, 3650268.5,	70.3,	99.7,	0.0);	(476628.0, 3650268.5,	76.0,	99.7,	
0.0);							
(476689.0, 3650268.5,	84.4,	99.7,	0.0);	(476750.0, 3650268.5,	98.2,	98.2,	
0.0);							
(475591.0, 3650332.5,	18.3,	60.4,	0.0);	(475652.0, 3650332.5,	19.4,	89.1,	
0.0);							
(475713.0, 3650332.5,	24.7,	89.7,	0.0);	(475774.0, 3650332.5,	27.4,	89.8,	
0.0);							
(475835.0, 3650332.5,	32.6,	89.8,	0.0);	(475896.0, 3650332.5,	35.3,	89.8,	
0.0);							
(475957.0, 3650332.5,	38.6,	89.8,	0.0);	(476018.0, 3650332.5,	39.7,	89.8,	
0.0);							
(476079.0, 3650332.5,	41.2,	96.6,	0.0);	(476140.0, 3650332.5,	46.2,	98.2,	
0.0);							
(476201.0, 3650332.5,	50.4,	98.3,	0.0);	(476262.0, 3650332.5,	55.9,	98.3,	
0.0);							
(476323.0, 3650332.5,	57.0,	98.3,	0.0);	(476384.0, 3650332.5,	57.2,	99.7,	
0.0);							
(476445.0, 3650332.5,	62.0,	99.7,	0.0);	(476506.0, 3650332.5,	69.2,	99.7,	
0.0);							
(476567.0, 3650332.5,	73.5,	99.7,	0.0);	(476628.0, 3650332.5,	86.0,	98.7,	
0.0);							
(476689.0, 3650332.5,	94.3,	98.1,	0.0);	(476750.0, 3650332.5,	95.2,	99.0,	
0.0);							

*** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
 08/08/17
 *** AERMET - VERSION 15181 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

(475591.0, 3650396.5,	18.0,	89.8,	0.0);	(475652.0, 3650396.5,	23.9,	37.8,	
0.0);							
(475713.0, 3650396.5,	27.6,	52.2,	0.0);	(475774.0, 3650396.5,	30.4,	89.8,	
0.0);							

HR Attach A - Aermod Output 2nd Floor

(475835.0, 3650396.5, 39.1, 52.0, 0.0);	(475896.0, 3650396.5, 42.3, 89.8, 0.0);
(475957.0, 3650396.5, 44.2, 89.8, 0.0);	(476018.0, 3650396.5, 44.8, 89.8, 0.0);
(476079.0, 3650396.5, 41.9, 96.6, 0.0);	(476140.0, 3650396.5, 52.0, 89.8, 0.0);
(476201.0, 3650396.5, 58.9, 89.8, 0.0);	(476262.0, 3650396.5, 63.7, 89.8, 0.0);
(476323.0, 3650396.5, 66.5, 96.5, 0.0);	(476384.0, 3650396.5, 65.6, 98.3, 0.0);
(476445.0, 3650396.5, 66.6, 98.7, 0.0);	(476506.0, 3650396.5, 72.2, 98.7, 0.0);
(476567.0, 3650396.5, 86.8, 98.3, 0.0);	(476628.0, 3650396.5, 96.4, 96.4, 0.0);
(476689.0, 3650396.5, 96.0, 98.3, 0.0);	(476750.0, 3650396.5, 86.5, 99.0, 0.0);
(475591.0, 3650460.5, 18.4, 90.7, 0.0);	(475652.0, 3650460.5, 26.1, 38.1, 0.0);
(475713.0, 3650460.5, 32.8, 37.5, 0.0);	(475774.0, 3650460.5, 36.0, 50.1, 0.0);
(475835.0, 3650460.5, 39.4, 89.7, 0.0);	(475896.0, 3650460.5, 46.3, 52.7, 0.0);
(475957.0, 3650460.5, 52.2, 52.2, 0.0);	(476018.0, 3650460.5, 50.7, 89.8, 0.0);
(476079.0, 3650460.5, 41.7, 96.5, 0.0);	(476140.0, 3650460.5, 55.9, 89.8, 0.0);
(476201.0, 3650460.5, 68.8, 89.8, 0.0);	(476262.0, 3650460.5, 77.5, 89.8, 0.0);
(476323.0, 3650460.5, 77.1, 89.8, 0.0);	(476384.0, 3650460.5, 75.5, 89.8, 0.0);
(476445.0, 3650460.5, 78.9, 96.4, 0.0);	(476506.0, 3650460.5, 84.1, 96.4, 0.0);
(476567.0, 3650460.5, 91.5, 91.5, 0.0);	(476628.0, 3650460.5, 86.5, 98.3, 0.0);
(476689.0, 3650460.5, 76.1, 99.7, 0.0);	(476750.0, 3650460.5, 73.6, 99.7, 0.0);

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
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*** MODELOPTs: RegDFAULT 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

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS) YR (METERS)	DISTANCE (METERS)
DDXFI3QM	476323.0 3649244.5	-8.05
DDXFI3QN	476262.0 3649308.5	-16.10
DDXFI3QN	476323.0 3649308.5	-1.93
DDXFI3QO	476262.0 3649308.5	-6.33
DDXFI3QO	476262.0 3649372.5	-6.91
DDXFI3QP	476262.0 3649372.5	-32.78
DDXFI3QQ	476262.0 3649436.5	-12.78
DDXFI3QR	476201.0 3649436.5	-2.85
DDXFI3QR	476262.0 3649436.5	-6.29
DDXFI3QS	476201.0 3649500.5	-16.95
DDXFI3QS	476262.0 3649500.5	-0.09
DDXFI3QT	476201.0 3649500.5	-6.98
DDXFI3QT	476201.0 3649564.5	-5.28
DDXFI3QU	476201.0 3649564.5	-34.39
DDXFI3QV	476201.0 3649628.5	-17.68

HR Attach A - Aermod Output 2nd Floor

DDXFI3QW	476201.0	3649628.5	-11.96
DDXFI3QX	476140.0	3649692.5	-6.26
DDXFI3QX	476201.0	3649692.5	-11.56
DDXFI3QZ	476140.0	3649756.5	-13.82
DDXFI3QZ	476201.0	3649756.5	-2.19
DDXFI3R0	476140.0	3649820.5	-15.18
DDXFI3R1	476140.0	3649820.5	-10.53
DDXFI3R2	476140.0	3649884.5	-28.77
DDXFI3R3	476140.0	3649884.5	0.97
DDXFI3R3	476140.0	3649948.5	-15.70
DDXFI3R4	476140.0	3649948.5	-23.89
DDXFI3R5	476140.0	3650012.5	-30.31
DDXFI3R6	476140.0	3650012.5	-6.92
DDXFI3R6	476140.0	3650076.5	-5.59
DDXFI3R7	476140.0	3650076.5	-22.30
DDXFI3R8	476140.0	3650140.5	-11.89
DDXFI3R9	476079.0	3650140.5	0.05
DDXFI3R9	476140.0	3650140.5	-4.64
DDXFI3RA	476079.0	3650204.5	-12.11
DDXFI3RA	476140.0	3650204.5	-6.72
DDXFI3RB	476079.0	3650268.5	-5.34
DDXFI3RC	476079.0	3650268.5	-19.06
DDXFI3RD	476079.0	3650332.5	-24.16
DDXFI3RE	476079.0	3650332.5	-11.42
DDXFI3RE	476079.0	3650396.5	-3.73

▲ *** AERMOD - VERSION 16216r *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
08/08/17
*** AERMET - VERSION 15181 *** ***
07:35:59 ***

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*** MODELOPTs: RegDFAULT 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

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS) YR (METERS)	DISTANCE (METERS)
DDXFI3RF	476079.0 3650396.5	-36.28
DDXFI3RG	476079.0 3650460.5	-18.42
DDXFI3RH	476079.0 3650460.5	-17.77

▲ *** AERMOD - VERSION 16216r *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
08/08/17
*** AERMET - VERSION 15181 *** ***
07:35:59 ***

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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

1 1
1 1

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

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

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

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1.54, 3.09, 5.14, 8.23, 10.80,
*** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
08/08/17
*** AERMET - VERSION 15181 *** ***
07:35:59

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

Profile format: FREE

Surface station no.: 93107	Upper air station no.: 3190
Name: KERNEYMESACLOSESTMEDDATATOSITE	Name: KERNEYMESACLOSESTMEDDATATOSITE
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																					
-	-	-																			
10.0	12	01	01	1 01	-0.5	0.025	-9.000	-9.000	-999.	9.	2.6	0.26	1.32	1.00	0.45	125.	10.0	283.8			
10.0	12	01	01	1 02	-2.3	0.053	-9.000	-9.000	-999.	29.	5.8	0.34	1.32	1.00	0.89	334.	10.0	283.8			
10.0	12	01	01	1 03	-0.6	0.027	-9.000	-9.000	-999.	11.	3.0	0.38	1.32	1.00	0.45	5.	10.0	285.9			
10.0	12	01	01	1 04	-0.5	0.025	-9.000	-9.000	-999.	9.	2.6	0.26	1.32	1.00	0.45	77.	10.0	284.9			
10.0	12	01	01	1 05	-0.6	0.027	-9.000	-9.000	-999.	10.	2.9	0.34	1.32	1.00	0.45	336.	10.0	285.4			
10.0	12	01	01	1 06	-0.5	0.025	-9.000	-9.000	-999.	10.	2.7	0.29	1.32	1.00	0.45	233.	10.0	284.2			
10.0	12	01	01	1 07	-0.5	0.025	-9.000	-9.000	-999.	10.	2.7	0.29	1.32	1.00	0.45	175.	10.0	283.1			
10.0	12	01	01	1 08	27.3	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.31	1.32	0.49	0.00	0.	10.0	283.1			
10.0	12	01	01	1 09	55.2	0.108	0.487	0.014	75.	85.	-2.0	0.37	1.32	0.29	0.45	329.	10.0	286.4			
10.0	12	01	01	1 10	123.3	0.120	0.896	0.007	208.	100.	-1.3	0.37	1.32	0.22	0.45	321.	10.0	291.4			
10.0	12	01	01	1 11	169.2	0.295	1.303	0.005	468.	384.	-13.6	0.37	1.32	0.20	1.79	320.	10.0	295.4			
10.0	12	01	01	1 12	191.0	0.299	1.625	0.005	805.	392.	-12.5	0.37	1.32	0.19	1.79	310.	10.0	297.0			

HR Attach A - Aermod Output 2nd Floor															
12 01 01	1 13	186.3	0.298	1.865	0.005	1245.	391.	-12.7	0.37	1.32	0.19	1.79	307.	10.0	298.8
10.0															
12 01 01	1 14	160.2	0.293	1.884	0.005	1493.	381.	-14.1	0.37	1.32	0.20	1.79	305.	10.0	299.9
10.0															
12 01 01	1 15	107.4	0.331	1.688	0.005	1601.	456.	-30.0	0.37	1.32	0.23	2.24	305.	10.0	299.2
10.0															
12 01 01	1 16	36.1	0.304	1.180	0.005	1627.	403.	-69.5	0.37	1.32	0.32	2.24	300.	10.0	296.4
10.0															
12 01 01	1 17	-4.7	0.079	-9.000	-9.000	-999.	139.	9.2	0.33	1.32	0.60	1.34	299.	10.0	294.2
10.0															
12 01 01	1 18	-2.2	0.052	-9.000	-9.000	-999.	36.	5.8	0.33	1.32	1.00	0.89	279.	10.0	292.0
10.0															
12 01 01	1 19	-0.5	0.025	-9.000	-9.000	-999.	10.	2.6	0.26	1.32	1.00	0.45	63.	10.0	289.9
10.0															
12 01 01	1 20	-0.6	0.027	-9.000	-9.000	-999.	11.	3.1	0.38	1.32	1.00	0.45	19.	10.0	288.1
10.0															
12 01 01	1 21	-2.2	0.052	-9.000	-9.000	-999.	29.	5.7	0.33	1.32	1.00	0.89	290.	10.0	287.0
10.0															
12 01 01	1 22	-2.4	0.054	-9.000	-9.000	-999.	30.	6.0	0.37	1.32	1.00	0.89	329.	10.0	285.4
10.0															
12 01 01	1 23	-2.3	0.053	-9.000	-9.000	-999.	29.	5.8	0.34	1.32	1.00	0.89	330.	10.0	284.9
10.0															
12 01 01	1 24	-0.6	0.026	-9.000	-9.000	-999.	10.	2.9	0.33	1.32	1.00	0.45	291.	10.0	284.9
10.0															

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.0	1	125.	0.45	283.8	48.0	-99.00	0.27

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

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
08/08/17
*** AERMET - VERSION 15181 *** ***
07:35:59

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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP ,

DDXFI3QQ , DDXFI3QR , DDXFI3QS , DDXFI3QT , DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX ,

DDXFI3QY , DDXFI3QZ , DDXFI3R0 , DDXFI3R1 , DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 ,

DDXFI3R6 , DDXFI3R7 , DDXFI3R8 , DDXFI3R9 , DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD ,

. . . ,

*** 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	
475591.00	3649244.50	0.00367	475652.00	3649244.50	0.00379	
475713.00	3649244.50	0.00416	475774.00	3649244.50	0.00459	
475835.00	3649244.50	0.00512	475896.00	3649244.50	0.00578	
475957.00	3649244.50	0.00803	476018.00	3649244.50	0.00918	
476079.00	3649244.50	0.01076	476140.00	3649244.50	0.00952	

HR Attach A - Aermod Output 2nd Floor					
476201.00	3649244.50	0.01549	476262.00	3649244.50	0.02414
476323.00	3649244.50	0.01566	476384.00	3649244.50	0.01587
476445.00	3649244.50	0.01044	476506.00	3649244.50	0.00813
476567.00	3649244.50	0.00665	476628.00	3649244.50	0.00563
476689.00	3649244.50	0.00489	476750.00	3649244.50	0.00431
475591.00	3649308.50	0.00394	475652.00	3649308.50	0.00406
475713.00	3649308.50	0.00449	475774.00	3649308.50	0.00502
475835.00	3649308.50	0.00566	475896.00	3649308.50	0.00648
475957.00	3649308.50	0.00755	476018.00	3649308.50	0.01073
476079.00	3649308.50	0.00986	476140.00	3649308.50	0.00892
476201.00	3649308.50	0.02541	476262.00	3649308.50	0.02015
476323.00	3649308.50	0.02523	476384.00	3649308.50	0.02059
476445.00	3649308.50	0.01296	476506.00	3649308.50	0.00983
476567.00	3649308.50	0.00772	476628.00	3649308.50	0.00669
476689.00	3649308.50	0.00610	476750.00	3649308.50	0.00461
475591.00	3649372.50	0.00409	475652.00	3649372.50	0.00434
475713.00	3649372.50	0.00482	475774.00	3649372.50	0.00542
475835.00	3649372.50	0.00618	475896.00	3649372.50	0.00715
475957.00	3649372.50	0.00849	476018.00	3649372.50	0.01039
476079.00	3649372.50	0.00573	476140.00	3649372.50	0.00655
476201.00	3649372.50	0.02999	476262.00	3649372.50	0.02706
476323.00	3649372.50	0.02582	476384.00	3649372.50	0.01720
476445.00	3649372.50	0.01361	476506.00	3649372.50	0.01083
476567.00	3649372.50	0.00554	476628.00	3649372.50	0.00470
476689.00	3649372.50	0.00372	476750.00	3649372.50	0.00531
475591.00	3649436.50	0.00420	475652.00	3649436.50	0.00460
475713.00	3649436.50	0.00513	475774.00	3649436.50	0.00581
475835.00	3649436.50	0.00667	475896.00	3649436.50	0.00781
475957.00	3649436.50	0.00942	476018.00	3649436.50	0.01365
476079.00	3649436.50	0.00496	476140.00	3649436.50	0.00489
476201.00	3649436.50	0.03234	476262.00	3649436.50	0.02681
476323.00	3649436.50	0.02119	476384.00	3649436.50	0.01651
476445.00	3649436.50	0.01168	476506.00	3649436.50	0.00844
476567.00	3649436.50	0.00233	476628.00	3649436.50	0.00166

HR Attach A - Aermod Output 2nd Floor

476689.00 3649436.50 0.00219 476750.00 3649436.50 0.00549

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
 08/08/17
 *** AERMET - VERSION 15181 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S):

DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP ,
 DDXFI3QQ , DDXFI3QR , DDXFI3QS , DDXFI3QT , DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX ,
 DDXFI3QY , DDXFI3QZ , DDXFI3R0 , DDXFI3R1 , DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 ,
 DDXFI3R6 , DDXFI3R7 , DDXFI3R8 , DDXFI3R9 , DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD ,
 . . . ,

*** 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
475591.00	3649500.50	0.00447	475652.00	3649500.50	0.00493
475713.00	3649500.50	0.00544	475774.00	3649500.50	0.00618
475835.00	3649500.50	0.00715	475896.00	3649500.50	0.00844
475957.00	3649500.50	0.01027	476018.00	3649500.50	0.01317
476079.00	3649500.50	0.01978	476140.00	3649500.50	0.02160
476201.00	3649500.50	0.02675	476262.00	3649500.50	0.03209
476323.00	3649500.50	0.01522	476384.00	3649500.50	0.00971
476445.00	3649500.50	0.00580	476506.00	3649500.50	0.00859
476567.00	3649500.50	0.00439	476628.00	3649500.50	0.00133
476689.00	3649500.50	0.00097	476750.00	3649500.50	0.00478
475591.00	3649564.50	0.00529	475652.00	3649564.50	0.00552
475713.00	3649564.50	0.00583	475774.00	3649564.50	0.00653
475835.00	3649564.50	0.00760	475896.00	3649564.50	0.00905
475957.00	3649564.50	0.01110	476018.00	3649564.50	0.01424
476079.00	3649564.50	0.01982	476140.00	3649564.50	0.03486
476201.00	3649564.50	0.03040	476262.00	3649564.50	0.01535
476323.00	3649564.50	0.01104	476384.00	3649564.50	0.00677
476445.00	3649564.50	0.00391	476506.00	3649564.50	0.00412
476567.00	3649564.50	0.00228	476628.00	3649564.50	0.00132

HR Attach A - Aermod Output 2nd Floor

- - - - -	475591.00	3649756.50	0.00543	475652.00	3649756.50	0.00645
	475713.00	3649756.50	0.00639	475774.00	3649756.50	0.00739
	475835.00	3649756.50	0.00872	475896.00	3649756.50	0.01056
	475957.00	3649756.50	0.01328	476018.00	3649756.50	0.01776
	476079.00	3649756.50	0.02715	476140.00	3649756.50	0.03788
	476201.00	3649756.50	0.03597	476262.00	3649756.50	0.00490
	476323.00	3649756.50	0.00232	476384.00	3649756.50	0.00182
	476445.00	3649756.50	0.00158	476506.00	3649756.50	0.00132
	476567.00	3649756.50	0.00089	476628.00	3649756.50	0.00067
	476689.00	3649756.50	0.00059	476750.00	3649756.50	0.00061
	475591.00	3649820.50	0.00610	475652.00	3649820.50	0.00649
	475713.00	3649820.50	0.00657	475774.00	3649820.50	0.00761
	475835.00	3649820.50	0.00901	475896.00	3649820.50	0.01094
	475957.00	3649820.50	0.01381	476018.00	3649820.50	0.01859
	476079.00	3649820.50	0.02847	476140.00	3649820.50	0.02872
	476201.00	3649820.50	0.02142	476262.00	3649820.50	0.00619
	476323.00	3649820.50	0.00240	476384.00	3649820.50	0.00179
	476445.00	3649820.50	0.00142	476506.00	3649820.50	0.00112
	476567.00	3649820.50	0.00088	476628.00	3649820.50	0.00066
	476689.00	3649820.50	0.00055	476750.00	3649820.50	0.00073
	475591.00	3649884.50	0.00623	475652.00	3649884.50	0.00617
	475713.00	3649884.50	0.00670	475774.00	3649884.50	0.00778
	475835.00	3649884.50	0.00926	475896.00	3649884.50	0.01132
	475957.00	3649884.50	0.01427	476018.00	3649884.50	0.01931
	476079.00	3649884.50	0.02935	476140.00	3649884.50	0.03265
	476201.00	3649884.50	0.02106	476262.00	3649884.50	0.00808
	476323.00	3649884.50	0.00367	476384.00	3649884.50	0.00214
	476445.00	3649884.50	0.00153	476506.00	3649884.50	0.00111
	476567.00	3649884.50	0.00083	476628.00	3649884.50	0.00063
	476689.00	3649884.50	0.00055	476750.00	3649884.50	0.00056
	475591.00	3649948.50	0.00626	475652.00	3649948.50	0.00620
	475713.00	3649948.50	0.00680	475774.00	3649948.50	0.00792
	475835.00	3649948.50	0.00944	475896.00	3649948.50	0.01154

475957.00	3649948.50	HR Attach A - Aermod Output 2nd Floor 0.01465	476018.00	3649948.50	0.01978
476079.00	3649948.50	0.03042	476140.00	3649948.50	0.03150
476201.00	3649948.50	0.03452	476262.00	3649948.50	0.01486
476323.00	3649948.50	0.00639	476384.00	3649948.50	0.00364
476445.00	3649948.50	0.00223	476506.00	3649948.50	0.00128
476567.00	3649948.50	0.00082	476628.00	3649948.50	0.00060
476689.00	3649948.50	0.00047	476750.00	3649948.50	0.00039

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
 08/08/17
 *** AERMET - VERSION 15181 *** ***
 07:35:59

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL

 INCLUDING SOURCE(S): DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP ,
 DDXFI3QQ , DDXFI3QR , DDXFI3QS , DDXFI3QT , DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX ,
 DDXFI3QY , DDXFI3QZ , DDXFI3R0 , DDXFI3R1 , DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 ,
 DDXFI3R6 , DDXFI3R7 , DDXFI3R8 , DDXFI3R9 , DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD ,
 . . . ,

*** 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

475591.00	3650012.50	0.00572	475652.00	3650012.50	0.00605
475713.00	3650012.50	0.00684	475774.00	3650012.50	0.00801
475835.00	3650012.50	0.00960	475896.00	3650012.50	0.01183
475957.00	3650012.50	0.01507	476018.00	3650012.50	0.02058
476079.00	3650012.50	0.03231	476140.00	3650012.50	0.03225
476201.00	3650012.50	0.03640	476262.00	3650012.50	0.02103
476323.00	3650012.50	0.00968	476384.00	3650012.50	0.00454
476445.00	3650012.50	0.00216	476506.00	3650012.50	0.00120
476567.00	3650012.50	0.00078	476628.00	3650012.50	0.00059
476689.00	3650012.50	0.00044	476750.00	3650012.50	0.00036
475591.00	3650076.50	0.00539	475652.00	3650076.50	0.00593
475713.00	3650076.50	0.00681	475774.00	3650076.50	0.00804
475835.00	3650076.50	0.00970	475896.00	3650076.50	0.01201
475957.00	3650076.50	0.01551	476018.00	3650076.50	0.02146

HR Attach A - Aermod Output 2nd Floor

476079.00	3650076.50	0.03526	476140.00	3650076.50	0.03292
476201.00	3650076.50	0.03386	476262.00	3650076.50	0.02058
476323.00	3650076.50	0.00943	476384.00	3650076.50	0.00437
476445.00	3650076.50	0.00217	476506.00	3650076.50	0.00121
476567.00	3650076.50	0.00086	476628.00	3650076.50	0.00061
476689.00	3650076.50	0.00041	476750.00	3650076.50	0.00035
475591.00	3650140.50	0.00518	475652.00	3650140.50	0.00585
475713.00	3650140.50	0.00676	475774.00	3650140.50	0.00803
475835.00	3650140.50	0.00973	475896.00	3650140.50	0.01214
475957.00	3650140.50	0.01593	476018.00	3650140.50	0.02246
476079.00	3650140.50	0.03061	476140.00	3650140.50	0.03037
476201.00	3650140.50	0.03122	476262.00	3650140.50	0.01968
476323.00	3650140.50	0.00950	476384.00	3650140.50	0.00384
476445.00	3650140.50	0.00179	476506.00	3650140.50	0.00114
476567.00	3650140.50	0.00078	476628.00	3650140.50	0.00055
476689.00	3650140.50	0.00038	476750.00	3650140.50	0.00030
475591.00	3650204.50	0.00500	475652.00	3650204.50	0.00568
475713.00	3650204.50	0.00670	475774.00	3650204.50	0.00796
475835.00	3650204.50	0.00973	475896.00	3650204.50	0.01243
475957.00	3650204.50	0.01655	476018.00	3650204.50	0.02356
476079.00	3650204.50	0.03467	476140.00	3650204.50	0.03730
476201.00	3650204.50	0.02674	476262.00	3650204.50	0.01863
476323.00	3650204.50	0.00928	476384.00	3650204.50	0.00414
476445.00	3650204.50	0.00170	476506.00	3650204.50	0.00091
476567.00	3650204.50	0.00062	476628.00	3650204.50	0.00045
476689.00	3650204.50	0.00030	476750.00	3650204.50	0.00023

*** AERMOD - VERSION 16216r *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S):

DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP ,
 DDXFI3QQ , DDXFI3QR , DDXFI3QS , DDXFI3QT , DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX ,
 DDXFI3QY ,

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DDXFI3R6 , DDXFI3QZ , DDXFI3R0 , DDXFI3R1 , DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 ,
 DDXFI3R7 , DDXFI3R8 , DDXFI3R9 , DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD ,
 . . . ,

*** 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		
475591.00	3650268.50	0.00476	475652.00	3650268.50	0.00551		
475713.00	3650268.50	0.00652	475774.00	3650268.50	0.00786		
475835.00	3650268.50	0.00970	475896.00	3650268.50	0.01247		
475957.00	3650268.50	0.01718	476018.00	3650268.50	0.02555		
476079.00	3650268.50	0.02653	476140.00	3650268.50	0.04509		
476201.00	3650268.50	0.01380	476262.00	3650268.50	0.00926		
476323.00	3650268.50	0.00677	476384.00	3650268.50	0.00349		
476445.00	3650268.50	0.00159	476506.00	3650268.50	0.00092		
476567.00	3650268.50	0.00058	476628.00	3650268.50	0.00040		
476689.00	3650268.50	0.00027	476750.00	3650268.50	0.00019		
475591.00	3650332.50	0.00447	475652.00	3650332.50	0.00518		
475713.00	3650332.50	0.00623	475774.00	3650332.50	0.00757		
475835.00	3650332.50	0.00972	475896.00	3650332.50	0.01282		
475957.00	3650332.50	0.01871	476018.00	3650332.50	0.02911		
476079.00	3650332.50	0.02711	476140.00	3650332.50	0.02987		
476201.00	3650332.50	0.00910	476262.00	3650332.50	0.00326		
476323.00	3650332.50	0.00228	476384.00	3650332.50	0.00183		
476445.00	3650332.50	0.00104	476506.00	3650332.50	0.00060		
476567.00	3650332.50	0.00043	476628.00	3650332.50	0.00026		
476689.00	3650332.50	0.00020	476750.00	3650332.50	0.00018		
475591.00	3650396.50	0.00414	475652.00	3650396.50	0.00488		
475713.00	3650396.50	0.00582	475774.00	3650396.50	0.00708		
475835.00	3650396.50	0.00997	475896.00	3650396.50	0.01329		
475957.00	3650396.50	0.01769	476018.00	3650396.50	0.02809		
476079.00	3650396.50	0.02764	476140.00	3650396.50	0.00929		
476201.00	3650396.50	0.00288	476262.00	3650396.50	0.00151		
476323.00	3650396.50	0.00099	476384.00	3650396.50	0.00083		
476445.00	3650396.50	0.00066	476506.00	3650396.50	0.00045		

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476567.00	3650396.50	0.00026	476628.00	3650396.50	0.00020
476689.00	3650396.50	0.00018	476750.00	3650396.50	0.00019
475591.00	3650460.50	0.00381	475652.00	3650460.50	0.00451
475713.00	3650460.50	0.00553	475774.00	3650460.50	0.00677
475835.00	3650460.50	0.00866	475896.00	3650460.50	0.00936
475957.00	3650460.50	0.00513	476018.00	3650460.50	0.00892
476079.00	3650460.50	0.01651	476140.00	3650460.50	0.00416
476201.00	3650460.50	0.00123	476262.00	3650460.50	0.00067
476323.00	3650460.50	0.00053	476384.00	3650460.50	0.00046
476445.00	3650460.50	0.00035	476506.00	3650460.50	0.00027
476567.00	3650460.50	0.00022	476628.00	3650460.50	0.00020
476689.00	3650460.50	0.00025	476750.00	3650460.50	0.00025

*** AERMOD - VERSION 16216r *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL

 INCLUDING SOURCE(S): DDXFI3QM , DDXFI3QN , DDXFI3QO , DDXFI3QP ,
 DDXFI3QQ , DDXFI3QR , DDXFI3QS , DDXFI3QT , DDXFI3QU , DDXFI3QV , DDXFI3QW , DDXFI3QX ,
 DDXFI3QY , DDXFI3QZ , DDXFI3R0 , DDXFI3R1 , DDXFI3R2 , DDXFI3R3 , DDXFI3R4 , DDXFI3R5 ,
 DDXFI3R6 , DDXFI3R7 , DDXFI3R8 , DDXFI3R9 , DDXFI3RA , DDXFI3RB , DDXFI3RC , DDXFI3RD ,
 . . . ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

		** CONC OF PM10	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
476184.30	3650114.30	0.02465	476186.00	3650098.40	0.02460
476190.80	3650062.40	0.02442	476203.70	3650029.80	0.02292
476181.30	3650020.60	0.02759	476181.70	3649976.60	0.02937
476184.50	3649949.90	0.02975	476217.70	3650119.90	0.01978

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 *** MODELOPTs: RegDFAULT CONC ELEV RURAL

HR Attach A - Aermod Output 2nd Floor
 *** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

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

NETWORK GROUP ID GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE
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ALL	1ST HIGHEST VALUE IS	0.04509 AT (476140.00, 3650268.50, 42.61, 98.34, 0.00)	DC
	2ND HIGHEST VALUE IS	0.04109 AT (476140.00, 3649628.50, 33.75, 68.92, 0.00)	DC
	3RD HIGHEST VALUE IS	0.04009 AT (476201.00, 3649692.50, 35.27, 73.10, 0.00)	DC
	4TH HIGHEST VALUE IS	0.03788 AT (476140.00, 3649756.50, 38.30, 68.92, 0.00)	DC
	5TH HIGHEST VALUE IS	0.03730 AT (476140.00, 3650204.50, 42.06, 98.34, 0.00)	DC
	6TH HIGHEST VALUE IS	0.03640 AT (476201.00, 3650012.50, 41.06, 68.58, 0.00)	DC
	7TH HIGHEST VALUE IS	0.03597 AT (476201.00, 3649756.50, 39.46, 71.44, 0.00)	DC
	8TH HIGHEST VALUE IS	0.03526 AT (476079.00, 3650076.50, 31.03, 98.34, 0.00)	DC
	9TH HIGHEST VALUE IS	0.03486 AT (476140.00, 3649564.50, 33.43, 68.58, 0.00)	DC
	10TH HIGHEST VALUE IS	0.03467 AT (476079.00, 3650204.50, 37.60, 98.23, 0.00)	DC

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

▲ *** AERMOD - VERSION 16216r *** *** PM10 Exhaust Interstate5 Operations Unmitigated Second Floor ***
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*** MODELOPTs: RegDFAULT CONC ELEV RURAL

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

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

A Total of 0 Fatal Error Message(s)
 A Total of 0 Warning Message(s)
 A Total of 178 Informational Message(s)
 A Total of 8784 Hours Were Processed
 A Total of 101 Calm Hours Identified
 A Total of 77 Missing Hours Identified (0.88 Percent)

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

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

HR Attach A - Aermod Output 2nd Floor

```
*****  
*** AERMOD Finishes Successfully ***  
*****
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Attachment B: EMFAC 2014

EMFAC2014 (v1.0.7) Emission Rates

Region Type: County

Region: San Diego

Calendar Year: 2020

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, g/mile for RUNEX, PMBW and PMTW

RoadwayADT	231000	Trips/Day
RoadwaySegmentAERMOD_VolumeSourceDistance	0.83	Miles/Trip
SegmentVMT	191730	Miles/Day

From EMFAC2014

Region	CalYr	VehClass	MdlYr	Speed	Fuel	VMT	%ofTotalVMT	VMT on Roadway Segment	PM10_RUNEX (Gram/Mile)	Total Grams	Grams from DSL Only
San Diego	2020	All Other Buses	Aggregated	65	DSL	1054.577	0.00347%	6.645332508	0.016510999	0.109721076	0.109721076
San Diego	2020	LDA	Aggregated	65	GAS	18704528	61.47451%	117865.0825	0.001564727	184.4267019	0
San Diego	2020	LDA	Aggregated	65	DSL	216683.9	0.71216%	1365.416247	0.012537475	17.11887223	17.11887223
San Diego	2020	LDT1	Aggregated	65	GAS	1419639	4.66580%	8945.742364	0.002393577	21.4123248	0
San Diego	2020	LDT1	Aggregated	65	DSL	1456.916	0.00479%	9.180639183	0.139625839	1.28185445	1.28185445
San Diego	2020	LDT2	Aggregated	65	GAS	6098469	20.04330%	38429.0132	0.001506142	57.87956935	0
San Diego	2020	LDT2	Aggregated	65	DSL	11849.1	0.03894%	74.66617387	0.005985301	0.446899551	0.446899551
San Diego	2020	MCY	Aggregated	65	GAS	204770.5	0.67300%	1290.345159	0.001841063	2.375607174	0
San Diego	2020	MDV	Aggregated	65	GAS	3602542	11.84015%	22701.12891	0.001591107	36.1199364	0
San Diego	2020	MDV	Aggregated	65	DSL	67757.48	0.22269%	426.9683313	0.00565409	2.414117431	2.414117431
San Diego	2020	MH	Aggregated	65	GAS	1929.742	0.00634%	12.16011211	0.002098272	0.025515228	0
San Diego	2020	MH	Aggregated	65	DSL	575.7014	0.00189%	3.627736515	0.193345579	0.701406816	0.701406816
San Diego	2020	Motor Coach	Aggregated	65	DSL	698.8304	0.00230%	4.403623613	0.021382375	0.094159932	0.094159932
San Diego	2020	OBUS	Aggregated	65	GAS	1998.384	0.00657%	12.59265415	0.000799849	0.010072222	0
San Diego	2020	SBUS	Aggregated	65	DSL	0	0.00000%	0	0	0	0
San Diego	2020	T6 Ag	Aggregated	65	DSL	104.7955	0.00034%	0.660360523	0.24767418	0.163554251	0.163554251
San Diego	2020	T6 CAIRP heavy	Aggregated	65	DSL	55.94166	0.00018%	0.352511888	0.006180054	0.002178543	0.002178543
San Diego	2020	T6 CAIRP small	Aggregated	65	DSL	171.7271	0.00056%	1.082124494	0.042625535	0.046126136	0.046126136
San Diego	2020	T6 instate construction heavy	Aggregated	65	DSL	907.9167	0.00298%	5.721164475	0.016662359	0.095328099	0.095328099
San Diego	2020	T6 instate construction small	Aggregated	65	DSL	2439.019	0.00802%	15.36928231	0.072987877	1.121771281	1.121771281
San Diego	2020	T6 instate heavy	Aggregated	65	DSL	7064.537	0.02322%	44.51661256	0.010444867	0.464970084	0.464970084
San Diego	2020	T6 instate small	Aggregated	65	DSL	18265.72	0.06003%	115.0999523	0.082767291	9.526511234	9.526511234
San Diego	2020	T6 OOS heavy	Aggregated	65	DSL	32.05247	0.00011%	0.201976064	0.006891221	0.001391862	0.001391862
San Diego	2020	T6 OOS small	Aggregated	65	DSL	98.39317	0.00032%	0.620016667	0.042625535	0.026428542	0.026428542
San Diego	2020	T6 Public	Aggregated	65	DSL	978.133	0.00321%	6.163626568	0.01900107	0.117115499	0.117115499
San Diego	2020	T6 utility	Aggregated	65	DSL	134.8164	0.00044%	0.849534846	0.00159796	0.001357523	0.001357523
San Diego	2020	T6TS	Aggregated	65	GAS	3358.654	0.01104%	21.16429088	0.001028181	0.021760717	0
San Diego	2020	T7 Ag	Aggregated	65	DSL	94.94621	0.00031%	0.59829595	0.500391969	0.299382488	0.299382488
San Diego	2020	T7 CAIRP	Aggregated	65	DSL	10423.05	0.03426%	65.68002362	0.014534637	0.954635317	0.954635317
San Diego	2020	T7 CAIRP construction	Aggregated	65	DSL	784.4742	0.00258%	4.943301306	0.020054639	0.099136123	0.099136123
San Diego	2020	T7 NNOOS	Aggregated	65	DSL	12924.6	0.04248%	81.44331101	0.006889717	0.561121373	0.561121373
San Diego	2020	T7 NOOS	Aggregated	65	DSL	4117.102	0.01353%	25.94358996	0.015196359	0.394248107	0.394248107
San Diego	2020	T7 other port	Aggregated	65	DSL	2815.562	0.00925%	17.74204044	0.018865131	0.334705923	0.334705923
San Diego	2020	T7 POLA	Aggregated	65	DSL	1174.733	0.00386%	7.402489092	0.022362678	0.165539479	0.165539479
San Diego	2020	T7 Public	Aggregated	65	DSL	1001.032	0.00329%	6.307921156	0.04456902	0.281137865	0.281137865
San Diego	2020	T7 Single	Aggregated	65	DSL	5142.882	0.01690%	32.40745872	0.021225409	0.687861578	0.687861578
San Diego	2020	T7 single construction	Aggregated	65	DSL	2029.332	0.00667%	12.78767007	0.018584119	0.237647578	0.237647578
San Diego	2020	T7 SWCV	Aggregated	65	DSL	0	0.00000%	0	0	0	0
San Diego	2020	T7 tractor	Aggregated	65	DSL	15535.03	0.05106%	97.89272046	0.020754906	2.031754178	2.031754178
San Diego	2020	T7 tractor construction	Aggregated	65	DSL	1513.017	0.00497%	9.534153175	0.028652928	0.273181407	0.273181407
San Diego	2020	T7 utility	Aggregated	65	DSL	84.35328	0.00028%	0.531545441	0.002449018	0.001301764	0.001301764
San Diego	2020	T7IS	Aggregated	65	GAS	475.2453	0.00156%	2.994720126	0.000812576	0.002433438	0
San Diego	2020	UBUS	Aggregated	65	GAS	276.6711	0.00091%	1.743420644	0.000768344	0.001339547	0
San Diego	2020	UBUS	Aggregated	65	DSL	519.3906	0.00171%	3.272897984	0.123146124	0.4030447	0.4030447
										342.7337232	
										Total Grams from DSL Only	
										PM10 per Day	40.45846241
										Total Grams from DSL PM10	
										per Second (g/s)	0.000468269
				Total VMT		30426476	100.000%				

Attachment C: Cancer Risk Calculations

Unmitigated 1st Floor

REC: SouthBuildingFacadeGF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00001646	0.00004970	0.00003926	0.00003397	0.00001528	0.00001378
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	6.49393E-06
	0	0	0	0	0	6.493928571
Cancer Risk Per Million 70-years	6.49					

REC: SWFurthestRecToISGF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.0472	0.0472	0.0472	0.0472	0.0472	0.0472
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00001636	0.00004939	0.00003901	0.00003376	0.00001518	0.00001369
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	6.45291E-06
	0	0	0	0	0	6.452914286
Cancer Risk Per Million 70-years	6.45					

REC: SWN1GF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.044	0.044	0.044	0.044	0.044	0.044
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00001525	0.00004604	0.00003637	0.00003147	0.00001415	0.00001276
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	6.01543E-06
	0	0	0	0	0	6.015428571
Cancer Risk Per Million 70-years	6.02					

Attachment C: Cancer Risk Calculations

MERV 13 Design Features Installed - 1st Floor

REC: SouthBuildingFacadeGF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD *.13	0.006175	0.006175	0.006175	0.006175	0.006175	0.006175
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000214	0.00000646	0.00000510	0.00000442	0.00000199	0.00000179
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	8.44211E-07
	0	0	0	0	0	0.844210714
Cancer Risk Per Million 70-years	0.84					

REC: SWFurthestRecToISGF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD *.13	0.006136	0.006136	0.006136	0.006136	0.006136	0.006136
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000213	0.00000642	0.00000507	0.00000439	0.00000197	0.00000178
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	8.38879E-07
	0	0	0	0	0	0.838878857
Cancer Risk Per Million 70-years	0.84					

REC: SWN1GF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD *.13	0.00572	0.00572	0.00572	0.00572	0.00572	0.00572
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000198	0.00000599	0.00000473	0.00000409	0.00000184	0.00000166
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	7.82006E-07
	0	0	0	0	0	0.782005714
Cancer Risk Per Million 70-years	0.78					

Attachment C: Cancer Risk Calculations

Unmitigated 2nd Floor

REC: SouthBuildingFacadeGF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.0297	0.0297	0.0297	0.0297	0.0297	0.0297
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00001029	0.00003108	0.00002455	0.00002124	0.00000955	0.00000861
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	4.06041E-06
	0	0	0	0	0	4.060414286
Cancer Risk Per Million 70-years	4.06					

REC: SWFurthestRecToISGF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00001019	0.00003076	0.00002430	0.00002103	0.00000946	0.00000853
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	4.0194E-06
	0	0	0	0	0	4.0194
Cancer Risk Per Million 70-years	4.02					

REC: SWN1GF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.0275	0.0275	0.0275	0.0275	0.0275	0.0275
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000953	0.00002878	0.00002273	0.00001967	0.00000884	0.00000798
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	3.75964E-06
	0	0	0	0	0	3.759642857
Cancer Risk Per Million 70-years	3.76					

Attachment C: Cancer Risk Calculations

MERV 13 Design Features Installed - 2nd Floor

REC: SouthBuildingFacadeGF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD *.13	0.003861	0.003861	0.003861	0.003861	0.003861	0.003861
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000134	0.00000404	0.00000319	0.00000276	0.00000124	0.00000112
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	5.27854E-07
	0	0	0	0	0	0.527853857
Cancer Risk Per Million 70-years	0.53					

REC: SWFurthestRecToISGF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD *.13	0.003822	0.003822	0.003822	0.003822	0.003822	0.003822
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000132	0.00000400	0.00000316	0.00000273	0.00000123	0.00000111
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	5.22522E-07
	0	0	0	0	0	0.522522
Cancer Risk Per Million 70-years	0.52					

REC: SWN1GF						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD *.13	0.003575	0.003575	0.003575	0.003575	0.003575	0.003575
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000124	0.00000374	0.00000295	0.00000256	0.00000115	0.00000104
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0	0	0	0	0	30
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	4.88754E-07
	0	0	0	0	0	0.488753571
Cancer Risk Per Million 70-years	0.49					