Appendix B-2
Health Risk Assessment

Mesa Verde Specific Plan

CONSTRUCTION AND OPERATIONAL HEALTH RISK ASSESSMENT

CITY OF CALIMESA

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TABLE OF CONTENTS

TABLE OF CONTENTS I
APPENDICES I
LIST OF EXHIBITS II
LIST OF TABLES II
LIST OF ABBREVIATED TERMS III
EXECUTIVE SUMMARY 1
1 INTRODUCTION 7
1.1 Site Location 7
1.2 Project Description 8
2 BACKGROUND 13
2.1 Background on Recommended Methodology 13
2.2 Construction Health Risk Assessment 13
2.3 Operational Health Risk Assessment 19
2.4 Exposure Quantification 25
2.5 Carcinogenic Chemical Risk 27
2.6 Non-carcinogenic Exposures 29
2.7 Potential Project DPM-Source Cancer and Non-Cancer Risks 29
3 CUMULATIVE HEALTH RISKS 35
3.1 Background 35
3.2 Health Risk from Cumulative Criteria Pollutants 35
3.3 Existing Conditions for Toxic Emissions 37
3.4 Ambient TAC Impacts Presumed to be Cumulatively Significant 38
3.4 Justification of a Geographic Scope in Risk Assessment 39
3.5 Cumulative TAC Impacts 40
4 REFERENCES 41
5 CERTIFICATIONS 44

APPENDICES

APPENDIX 2.1: CALEEMOD OUTPUTS
APPENDIX 2.2: EMFAC EMISSIONS SUMMARY
APPENDIX 2.3: AERMOD MODEL INPUT/OUTPUT
APPENDIX 2.4: RISK CALCULATIONS
APPENDIX 2.5: MODELED RECEPTORS

LIST OF EXHIBITS

EXHIBIT 1-A: LOCATION MAP 10
EXHIBIT 1-B: LAND USE PLAN 11
EXHIBIT 2-A: MODELED CONSTRUCTION EMISSION SOURCES 18
EXHIBIT 2-B: MODELED EMISSION SOURCES 23
EXHIBIT 2-C: RECEPTOR LOCATIONS 33
EXHIBIT 3-A: AIR TOXICS CANCER RISK TRENDS – RUBIDOUX 38

LIST OF TABLES

TABLE ES-1: SUMMARY OF CONSTRUCTION CANCER AND NON-CANCER RISKS 4
TABLE ES-2: SUMMARY OF OPERATIONAL CANCER AND NON-CANCER RISKS 5
TABLE ES-3: SUMMARY OF CONSTRUCTION AND OPERATIONAL CANCER AND NON-CANCER RISKS 6
TABLE 2-1: CONSTRUCTION DURATION 14
TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS 15
TABLE 2-3: 2045 WEIGHTED AVERAGE DPM EMISSIONS FACTORS 20
TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2045 ANALYSIS YEAR) 24
TABLE 2-5: AERMOD MODEL PARAMETERS 25
TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (CONSTRUCTION ACTIVITY) 26
TABLE 2-7: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL) 26
TABLE 2-8: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER) 27
TABLE 2-9: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD) 27

LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
AQMD	Air Quality Management District
ARB	Air Resources Board
ASF	Age Sensitivity Factor
BHP	Brake Horsepower
BPIP	Building Profile Input Program
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
FAH	Fraction of Time at Home
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
IID	Imperial Irrigation District
LHD	Light Heavy-Duty
MEIR	Maximally Exposed Individual Receptor
MEISC	Maximally Exposed Individual School Child
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PM_{10}	Particulate Matter 10 microns in diameter or less
Project	Mesa Verde Specific Plan
REL	Reference Exposure Level
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TA	Traffic Analysis
TRU	Transport Refrigeration Unit
URF	Unit Risk Factor
UTM	Universal Transverse Mercator

VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

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

The results of the health risk assessment from Project-generated DPM emissions are provided in Tables ES-1, ES-2, and ES-3.

CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions without mitigation is Location R2 which is located approximately 51 feet north of the Project site at an existing residence at 910 W Avenue L. Since there are no private outdoor living areas (backyards) facing the Project site, R2 is placed at the building façade. At the maximally exposed individual receptor (MEIR), without mitigation the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 0.94 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0.

The land use with the greatest potential exposure to Project construction-source DPM emissions with mitigation is Location R9 which is located approximately 604 feet east of the Project site at an existing residence at 8640 Calimesa Boulevard. Since there are no private outdoor living areas (backyards) facing the Project site, R9 is placed at the building façade. At the MEIR, with mitigation the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 0.32 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0.

It should be noted that the location of the construction MEIR varies with and without the implementation of mitigation because with the reduction in emissions that would occur from construction equipment operating on-site, the relative contribution of off-site sources, such as vendor trips on nearby roadways, would increase.

Location R2 (without mitigation) and Location R9 (with mitigation) would experience the highest concentrations of DPM during Project construction due to meteorological conditions at the site. Because all other modeled receptors would experience lower concentrations of DPM during Project construction, all other receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for these locations. The modeled receptors are illustrated on Exhibit 2-C.

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The existing residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R7 which is located approximately 71 feet northwest of the Project site at an existing residence located at 25 E Street. Since there are no private outdoor living areas facing the Project site, R7 is placed at the building façade nearest the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 2.52 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled receptors would experience lower concentrations of DPM during Project operation, all other receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project operational activity. All other receptors during operational activity would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-C.

On-Site Residential Exposure Scenario:

The analysis evaluated the potential health risk impacts associated with DPM generated by heavy duty trucks accessing Planning Areas 2 through 8 to future on-site residential receptors. Because on-site receptors would not be present at the time of Project construction activities, the analysis only considers potential impacts to on-site receptors resulting from operation of the proposed Project. The on-site receptor with the greatest potential exposure to Project operational emissions is Location ON8. At the on-site MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 7.35 in one million which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0.

Worker Exposure Scenario[1]*:*

The worker receptor land use with the greatest potential exposure to Project operational -source DPM emissions is Location R10, which represents the potential worker receptor located approximately 647 feet east of the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 0.46 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors

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

in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The modeled receptors are illustrated on Exhibit 2-C.

School Child Exposure Scenario:

The nearest school is Mesa View Middle School (represented by Location R4), located approximately 200 feet north of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project is calculated to be 0.21 in one million, which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be <0.01, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

CONSTRUCTION AND OPERATIONAL IMPACTS

The land use with the greatest potential exposure to Project construction-source and operational-source DPM emissions is Location R7. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source and operational-source DPM emissions is estimated at 1.05 in one million without mitigation and 0.40 in one million with mitigation, both of which are less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01 without and with mitigation, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The combined construction and operational cancer risk calculation assumes that receptors would be exposed to Project construction-related emissions beginning in the third trimester, continue through the anticipated 19.52 years of Project construction activity and be exposed to Project operational emissions for the remaining 10.48 years of the 30-year operational exposure scenario. As such, because construction-related cancer risk is relatively low, and because the risk calculation heavily weighs exposures that occur early in life, the combined construction and operational risk is lower than the operational risk presented above. The modeled receptors are illustrated on Exhibit 2-C.

TABLE ES-1: SUMMARY OF CONSTRUCTION CANCER AND NON-CANCER RISKS

Scenario	Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
Without Mitigation	19.52 Year Exposure	Maximum Exposed Sensitive Receptor (Location R2)	0.94	10	NO
	19.52 Year Exposure	Location R9	0.64	10	NO
With Mitigation	19.52 Year Exposure	Location R2	0.26	10	NO
	19.52 Year Exposure	Maximum Exposed Sensitive Receptor (Location R9)	0.32	10	NO
Scenario	**Time Period**	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Without Mitigation	Annual Average	Maximum Exposed Sensitive Receptor (Location R2)	<0.01	1.0	NO
	Annual Average	Location R9	<0.01	1.0	NO
With Mitigation	Annual Average	Location R2	<0.01	1.0	NO
	Annual Average	Maximum Exposed Sensitive Receptor (Location R9)	<0.01	1.0	NO

TABLE ES-2: SUMMARY OF OPERATIONAL CANCER AND NON-CANCER RISKS

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor (Existing, Location R7)	2.52	10	NO
30 Year Exposure	Maximum Exposed Sensitive Receptor (On-Site, Location ON8)	7.35	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor (Location R10)	0.21	10	NO
9 Year Exposure	Maximum Exposed Individual School Child (Location R4)	0.46	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Annual Average	Maximum Exposed Sensitive Receptor (Existing, Location R7)	<0.01	1.0	NO
Annual Average	Maximum Exposed Sensitive Receptor (On-Site, Location ON8)	<0.01	1.0	NO
Annual Average	Maximum Exposed Worker Receptor (Location R10)	<0.01	1.0	NO
Annual Average	Maximum Exposed Individual School Child (Location R4)	<0.01	1.0	NO

TABLE ES-3: SUMMARY OF CONSTRUCTION AND OPERATIONAL CANCER AND NON-CANCER RISKS

Scenario	Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
Without Mitigation	30 Year Exposure	Maximum Exposed Sensitive Receptor (Location R7)	1.05	10	NO
With Mitigation	30 Year Exposure	Maximum Exposed Sensitive Receptor (Location R7)	0.40	10	NO
Scenario	**Time Period**	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Without Mitigation	Annual Average	Maximum Exposed Sensitive Receptor (Location R7)	<0.01	1.0	NO
With Mitigation	Annual Average	Maximum Exposed Sensitive Receptor (Location R7)	<0.01	1.0	NO

PROJECT MITIGATION MEASURES WITH QUANTIFIABLE DPM REDUCTIONS

MM AQ-1

Applicants for new development projects within the Mesa Verde Specific Plan shall require the construction contractor to use equipment that meets the United States Environmental Protection Agency (EPA)-Certified emissions standards. All off-road diesel-powered construction equipment greater than 50 horsepower shall meet the Tier 4 emission standards. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 4 diesel emissions control strategy for a similarly sized engine, as defined by CARB regulations. Prior to construction, the project engineer shall ensure that all demolition and grading plans clearly show the requirement for EPA Tier 4 or equivalent emissions standards for construction equipment over 50 horsepower. During construction, the construction contractor shall maintain a list of all operating equipment in use on the project site for verification by the Building Official or their designee. The construction equipment list shall state the makes, models, and numbers of construction equipment onsite. Equipment shall be properly serviced and maintained in accordance with the manufacturer's recommendations. Construction contractors shall also ensure that all nonessential idling of construction equipment is restricted to five minutes or less in compliance with California Air Resources Board's Rule 2449.

1 INTRODUCTION

This HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

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

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

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

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

1.1 SITE LOCATION

The Project area is comprised of 1,463.1 acres of undeveloped land located at the current terminuses of Sandalwood Drive and County Line Road in the northwestern portion of the City of Calimesa, as shown on Exhibit 1-A. Regional access to the Project site is provided via Interstate 10 (I-10) at the Calimesa Boulevard (leading to Sandalwood Drive) and County Line Road exits.

1.2 PROJECT DESCRIPTION

The conceptual Project site plan shown on Exhibit 1-B. The Project includes the development of the following uses within five phases of development:

a. Phase 1 (2030):

- 1,400.000 TSF General Light Industrial (evaluated as 700.000 TSF High-Cube Cold Storage and 700.000 TSF General Light Industrial)
- 16.500 TSF Fire and Rescue Station/Public Works Facility
- 709 DU Single-Family Detached Residential
- 185 DU Multifamily (Low-Rise) Residential
- 12.7 AC Parks

b. Phase 2 (2035):

- 700.000 TSF General Light Industrial
- 700.000 TSF High-Cube Fulfillment Center (Sort)
- 50.000 TSF Commercial
- 468 DU Single Family Detached Residential
- 81 DU Multifamily (Low-Rise) Residential
- 16.2 AC Parks

c. Phase 3 (2038):

- 700.000 TSF General Light Industrial
- 700.000 TSF High-Cube Fulfillment Center (Sort)
- 447 DU Single Family Detached Residential
- 81 DU Multifamily (Low-Rise) Residential
- 250.000 TSF Mixed Use (Commercial)
- 16.2 AC Parks

d. Phase 4 (2040):

- 240.000 Business Park/General/Medical Office
- 689 DU Single Family Detached Residential
- 194 DU Multifamily (Low-Rise) Residential
- 600 Students Elementary School
- 16.5 AC Parks

e. Phase 5 (2045):

- 547 DU Single Family Detached Residential
- 249 DU Multifamily (Low-Rise) Residential
- 600 Students Elementary School
- 12.2 AC Parks

As evaluated in the Mesa Verde Specific Plan Traffic Analysis (3), the Project is expected to generate a total of 60,090 external two-way trips per day at buildout, including 59,120 external two-way passenger vehicle trips per day and 970 two-way truck trips per day. However, it should

be noted that this analysis conservatively analyzes a worst-case scenario that includes up to 700,000 square feet of High-Cube Cold Storage uses developed in lieu of 700,000 square feet of industrial park uses in Phase 1. Under this scenario, at buildout the Project would generate a total of 58,168 external two-way trips per day, including 56,846 external two-way passenger vehicle trips and 1,322 two-way truck trips per day. Although this scenario would result in fewer total daily trips, it represents the worst-case from an emissions standpoint due to its potential to generate a higher number of daily truck trips as well as the potential to include transport refrigeration units.

EXHIBIT 1-A: LOCATION MAP

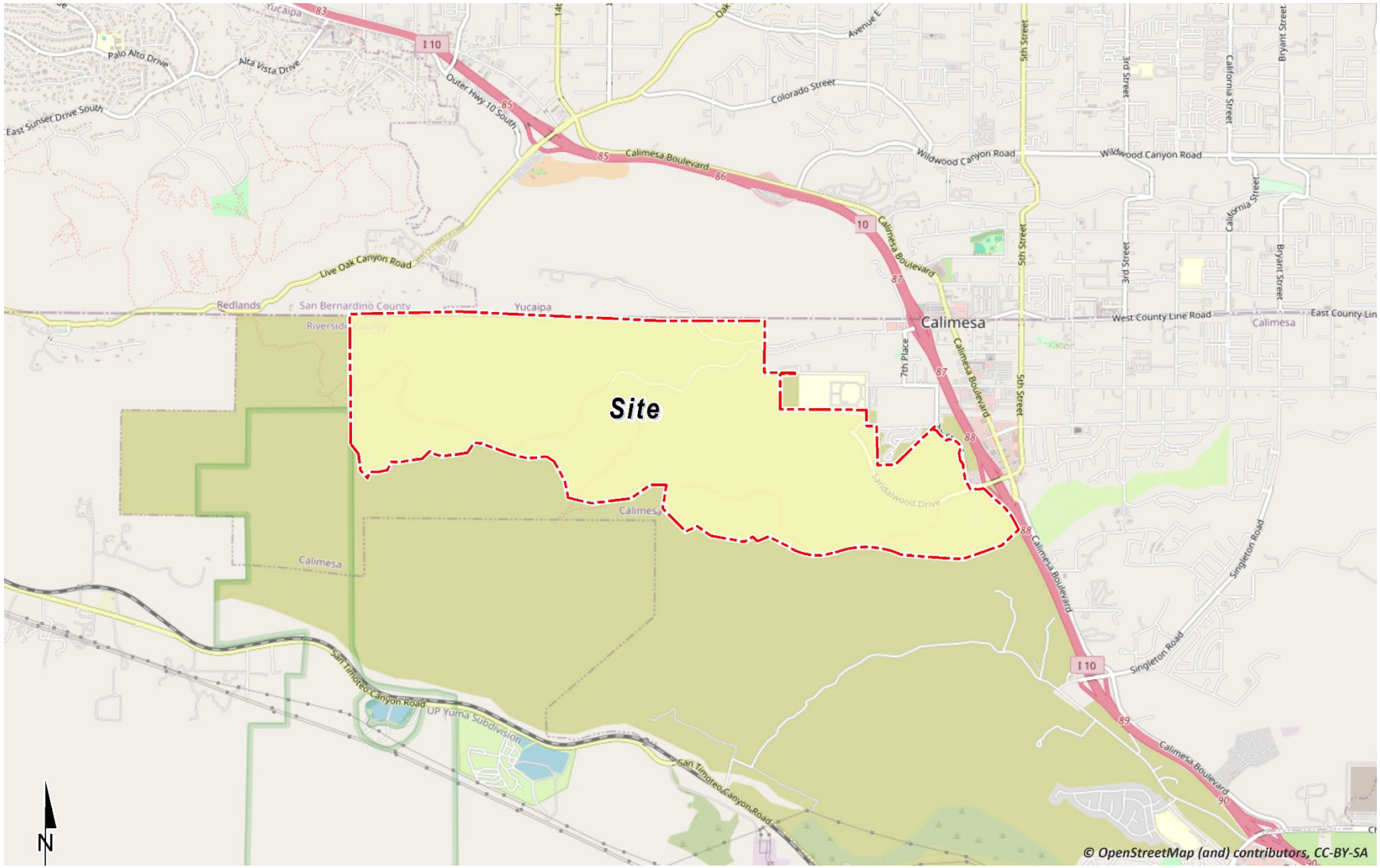
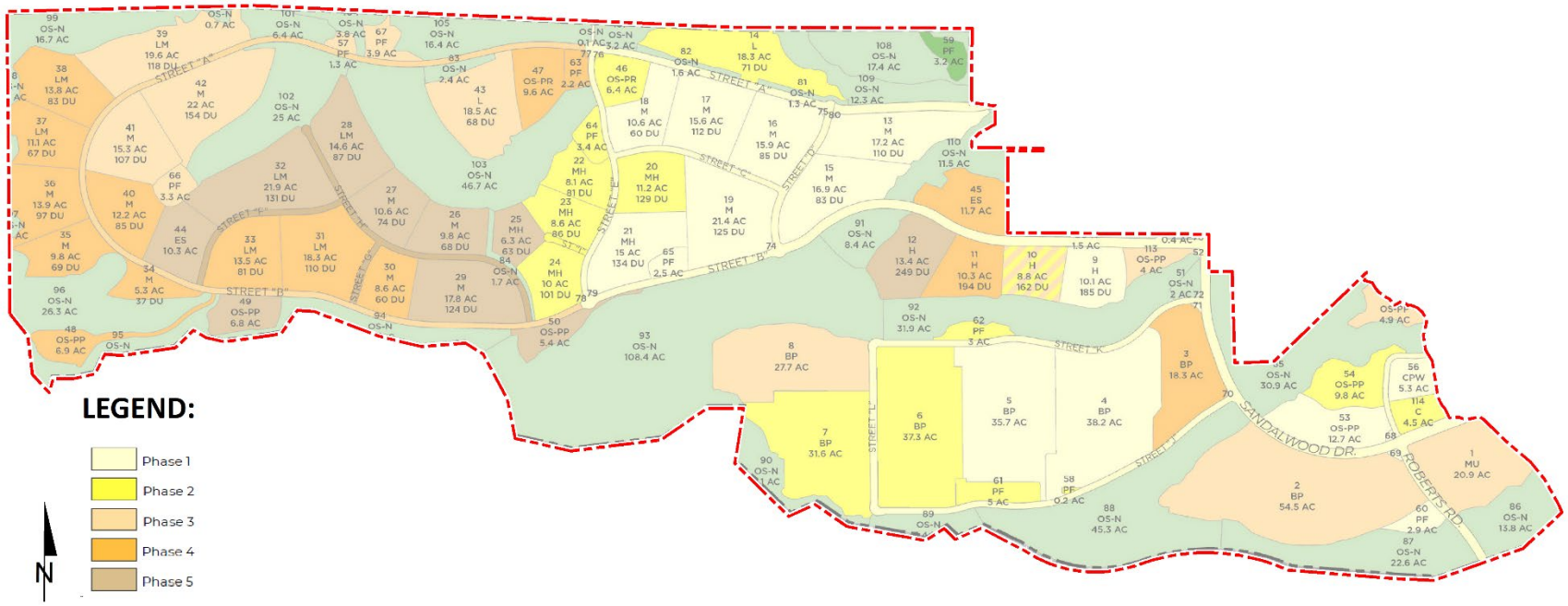


EXHIBIT 1-B: LAND USE PLAN



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2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on applicable guidelines to produce conservative estimates of human health risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per $\mu g/m^3$ is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95^{th} percentile URF represents a very conservative (health-protective) risk posed by DPM because it represents breathing rates that are high for the human body.
- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.[2] The California Air Resources Board (CARB's) anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2 CONSTRUCTION HEALTH RISK ASSESSMENT

2.2.1 EMISSIONS CALCULATIONS

The emissions calculations for the construction HRA component are based on an assumed mix of construction equipment and hauling activity as presented in the *Mesa Verde Specific Plan Air Quality Impact Analysis* ("technical study") prepared by Urban Crossroads, Inc. (4).

Construction related DPM emissions are expected to occur primarily as a function of the operation of heavy-duty construction equipment.

As discussed in the technical study, the Project would result in approximately 5,088 total working-days of construction activity. The construction duration by phase is shown in Table 2-1. A detailed summary of construction equipment assumptions by phase is provided at Table 2-2. The CalEEMod emissions outputs are presented in Appendix 2.1. The modeled emission sources for construction activity are illustrated on Exhibit 2-A. Emissions from construction equipment were modeled in AERMOD using volume sources covering the Project site.

[2] An idling time of 15 minutes per truck has been used per SCAQMD recommendations. Although the Project is required to comply with CARB's idling limit of 5 minutes, the SCAQMD recommends the on-site idling emissions should be estimated for 15 minutes of truck idling, which would take into account on-site idling that occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

TABLE 2-1: CONSTRUCTION DURATION

Phase	Construction Activity	Start Date	End Date	Days
1	Site Preparation	7/1/2026	9/1/2026	45
	Mass Grading Phase 1 + 2	9/2/2026	6/2/2027	196
	Building Construction	6/3/2027	11/3/2028	372
	Paving	11/4/2028	8/4/2029	195
	Architectural Coating	8/5/2029	5/5/2030	195
2	Site Preparation	5/6/2030	6/20/2030	34
	Mass Grading Phase 1 + 2	6/21/2030	2/1/2031	161
	Building Construction	2/2/2031	5/2/2033	586
	Paving	5/3/2033	12/20/2033	166
	Architectural Coating	12/21/2033	9/1/2034	183
3	Site Preparation	5/1/2033	11/1/2033	132
	Mass Grading Phase 3 + 4	11/2/2033	3/2/2035	348
	Building Construction	3/3/2035	12/31/2038	1000
	Paving	6/1/2037	12/31/2038	415
	Architectural Coating	6/1/2037	12/31/2038	415
4	Site Preparation	1/1/2037	6/1/2037	108
	Mass Grading Phase 3 + 4	6/2/2037	9/2/2038	328
	Building Construction	9/3/2038	12/31/2040	607
	Paving	6/1/2039	12/31/2040	414
	Architectural Coating	6/1/2039	12/31/2040	414
5	Site Preparation	1/1/2041	5/1/2041	87
	Remedial Grading	5/2/2041	6/2/2042	283
	Building Construction	6/3/2042	12/31/2045	934
	Paving	6/1/2044	12/31/2045	413
	Architectural Coating	6/1/2044	12/31/2045	413

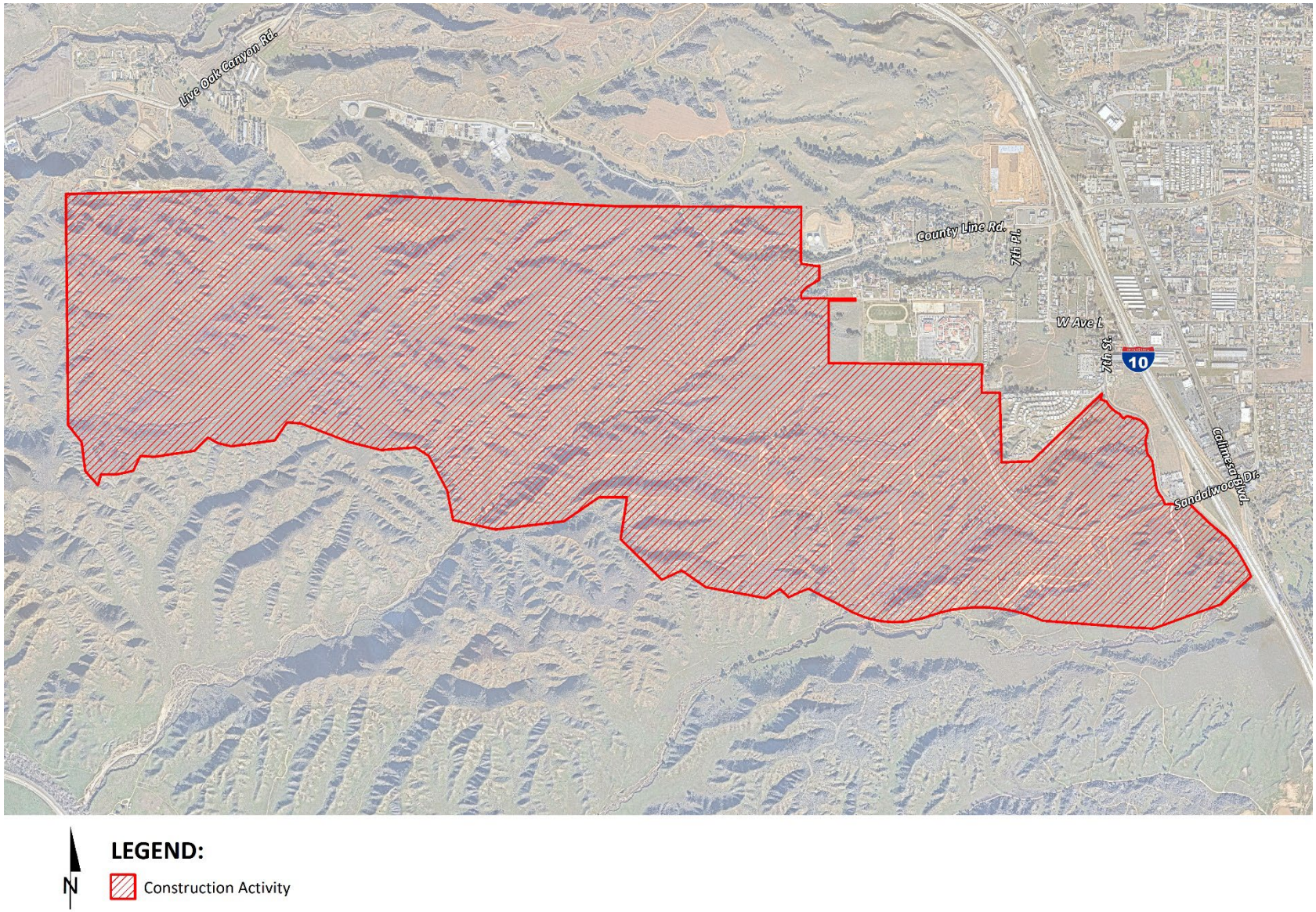
TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Phase	Construction Activity	Equipment	Quantity	Hours
1	Site Preparation	Crawler Tractors	5	8
		Off-Highway Trucks	4	8
	Mass Grading Phase 1 + 2	Excavators	2	8
		Graders	2	8
		Rubber Tired Dozers	2	8
		Scrapers	16	8
		Crawler Tractors	4	8
		Off-Highway Trucks	3	8
	Building Construction	Cranes	2	8
		Forklifts	6	8
		Generator Sets	2	8
		Tractors/Loaders/Backhoes	6	8
		Welders	2	8
	Paving	Pavers	2	8
		Paving Equipment	2	8
		Rollers	2	8
	Architectural Coating	Air Compressors	2	8
2	Site Preparation	Crawler Tractors	5	8
		Off-Highway Trucks	4	8
	Mass Grading Phase 1 + 2	Excavators	1	8
		Graders	2	8
		Rubber Tired Dozers	2	8
		Scrapers	14	8
		Crawler Tractors	4	8
		Off-Highway Trucks	4	8
	Building Construction	Cranes	2	8
		Forklifts	7	8
		Generator Sets	2	8
		Tractors/Loaders/Backhoes	7	8
		Welders	2	8
	Paving	Pavers	2	8
		Paving Equipment	2	8

Phase	Construction Activity	Equipment	Quantity	Hours
		Rollers	2	8
	Architectural Coating	Air Compressors	1	8
3	Site Preparation	Crawler Tractors	5	8
		Off-Highway Trucks	4	8
	Mass Grading Phase 3 + 4	Excavators	1	8
		Graders	2	8
		Rubber Tired Dozers	2	8
		Scrapers	14	8
		Crawler Tractors	4	8
		Off-Highway Trucks	4	8
	Building Construction	Cranes	3	8
		Forklifts	8	8
		Generator Sets	3	8
		Tractors/Loaders/Backhoes	8	8
		Welders	3	8
	Paving	Pavers	3	8
		Paving Equipment	3	8
		Rollers	3	8
	Architectural Coating	Air Compressors	1	8
4	Site Preparation	Crawler Tractors	5	8
		Off-Highway Trucks	4	8
	Mass Grading Phase 3 + 4	Excavators	1	8
		Graders	2	8
		Rubber Tired Dozers	2	8
		Scrapers	14	8
		Crawler Tractors	4	8
		Off-Highway Trucks	4	8
	Building Construction	Cranes	2	8
		Forklifts	7	8
		Generator Sets	2	8
		Tractors/Loaders/Backhoes	7	8
		Welders	2	8
		Pavers	2	8

Phase	Construction Activity	Equipment	Quantity	Hours
	Paving	Paving Equipment	2	8
		Rollers	2	8
	Architectural Coating	Air Compressors	1	8
5	Site Preparation	Crawler Tractors	5	8
		Off-Highway Trucks	4	8
	Remedial Grading	Excavators	1	8
		Graders	2	8
		Rubber Tired Dozers	2	8
		Scrapers	14	8
		Crawler Tractors	4	8
		Off-Highway Trucks	4	8
	Building Construction	Cranes	2	8
		Forklifts	7	8
		Generator Sets	2	8
		Tractors/Loaders/Backhoes	7	8
		Welders	2	8
	Paving	Pavers	2	8
		Paving Equipment	2	8
		Rollers	2	8
	Architectural Coating	Air Compressors	1	8

EXHIBIT 2-A: MODELED CONSTRUCTION EMISSION SOURCES



2.3 OPERATIONAL HEALTH RISK ASSESSMENT

2.3.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10µm in diameter (PM_{10}) generated with the 2021 version of the EMission FACtor model (EMFAC) developed by the CARB. EMFAC 2021 is a mathematical model that CARB developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (5). The most recent version of this model, EMFAC 2021, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2021. Emission factors calculated using EMFAC 2021 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2021 in EMFAC Mode for vehicles in the Riverside County jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below:

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

It is expected that minimal idling would occur at nearby intersections during truck travel on study area roadways (e.g., at an intersection during a red light, or yielding to make a turn). Notwithstanding, the analysis conservatively utilizes a reduced off-site average speed of 25 miles per hour (below the posted speed limit) for travel on study area roadways. Use of a lower average speed for off-site travel results in a higher emission factor and therefore any negligible idling that would occur during truck travel along the study area is accounted for.

Calculated emission factors are shown at Table 2-3. As a conservative measure, a 2045 EMFAC 2021 run was conducted and a static 2045 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2045 emission factors would overstate potential impacts since this approach assumes that emission factors remain “static” and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2045. Additionally, based on EMFAC 2021, Light-Heavy-Duty Trucks are comprised of 58.8% diesel, Medium-Heavy-Duty Trucks are comprised of 93.9% diesel, and Heavy-Heavy-Duty Trucks are comprised of 95.1% diesel. Trucks fueled by diesel are

accounted for by these percentages accordingly in the emissions factor generation. Appendix 2.2 includes additional details on the emissions estimates from EMFAC.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (6):

$$Emissions_{Speed\ A} = EF_{Run\ Exhaust} \times Distance \times \frac{Number\ of\ Trips\ per\ Day}{Seconds\ per\ Day}$$

Where:

$Emissions_{Speed\ A}$ = Vehicle emissions at a given speed A (g/s)

$EF_{Run\ Exhaust}$ = EMFAC running exhaust PM_{10} emission factor at speed A (g/vmt)

$Distance$ = Total distance traveled per trip (miles)

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM_{10} emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM_{10} emission factor (g/idle-hr) from EMFAC and the total truck trip over the total assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (6):

$$Emissions_{Idle} = EF_{Idle} \times Number\ of\ Trips \times Idling\ Time \times \frac{60\ minutes\ per\ hour}{seconds\ per\ day}$$

Where:

$Emissions_{Idle}$ = Vehicle emissions during Idling (g/s)

EF_{Idle} = EMFAC idle exhaust PM_{10} emission factor (g/s)

$Number\ of\ Trips$ = Number of trips per day

$Idling\ Time$ = Idling time (minutes per trip)

TABLE 2-3: 2045 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.09995 (g/idle-hr)
5	0.01183 (g/mile)
25	0.00574 (g/mile)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates

of each volume source have not been included in this report but are included in Appendix 2.3. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated in Table 2-4. The modeled emission sources are illustrated on Exhibit 2-B. The modeling domain is limited to the Project's primary truck route and includes off-site sources in the study area for more than ¾ mile. This modeling domain is more inclusive and conservative than using only a ¼ mile modeling domain which is the distance supported by several reputable studies which conclude that the greatest potential risks occur within a ¼ mile of the primary source of emissions (7). In the case of the Project, the primary source of emissions is the on-site idling and on-site travel.

On-site truck idling was estimated to occur as trucks enter and travel through the Project site. Although the Project's diesel-fueled truck and equipment operators will be required by State law to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions be calculated assuming 15 minutes of truck idling (8), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis calculates truck idling at 15 minutes, consistent with SCAQMD's recommendation.

As evaluated in the *Mesa Verde Specific Plan Traffic Analysis* (3), the Project is expected to generate a total of 60,090 external two-way trips per day at buildout, including 59,120 external two-way passenger vehicle trips per day and 970 two-way truck trips per day. However, it should be noted that this analysis conservatively analyzes a worst-case scenario that includes up to 700,000 square feet of High-Cube Cold Storage uses developed in lieu of 700,000 square feet of industrial park uses in Phase 1. Under this scenario, at buildout the Project would generate a total of 58,168 external two-way trips per day, including 56,846 external two-way passenger vehicle trips and 1,322 two-way truck trips per day.

2.3.2 TRU EMISSIONS

In order to account for the possibility of refrigerated uses, trucks associated with the cold-storage land use are assumed to also have TRUs. Therefore, for modeling purposes 263 trucks (526 two-way truck trips per day) have the potential to include TRUs. TRUs are accounted for during on-site and off-site travel. The TRU calculations are based on CARB's OFFROAD Model version 2021 (OFFROAD2021). OFFROAD2021 does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operation. Consistent with the

methodology presented in Appendix F of CARB's *Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled TRU and TRU Generator Sets, and Facilities Where TRUs Operate* (9), it was estimated that each TRU would spend approximately 3.3 hours per load at the facility, and that the TRU engine would operate 62.5% of the time. Thus, it was estimated that for each two-way truck trip servicing the refrigerated warehouse portion of the Project, the TRU engine would operate for approximately 2.1 hours while on site and parked at the loading docks.

2.3.3 EMERGENCY ENGINES

The proposed Project includes the installation of an emergency fire pump at each building, as well as an emergency generator serving the cold storage portion of the Project, as shown on Exhibit 2-B. The emergency engines would be diesel fueled and potentially would result in exposure of sensitive receptors to DPM. Based on the CalEEMod output presented in the Project air quality impact analysis, it is estimated that each fire pump would be rated at 300 brake horsepower (bhp) and the emergency generator would be rated at 800 bhp. The analysis assumed that each emergency engine could potentially operate for up to 1 hour per day, one day per week, for a total of 50 hours per year for maintenance and testing purposes. Consistent with SCAQMD guidance, the emergency engines were modeled as point sources. Because detailed engine specifications are not known at this time, release parameters (including exhaust height, diameter, temperature, and flow rate) were obtained from the California Air Pollution Control Officers Association Facility Prioritization Guidelines (10). In order to account for potential building downwash effects, which have the potential to affect point sources in AERMOD, building downwash was modeled using the Building Profile Input Program (BPIP). The emergency engine point sources were placed at the expected locations of emergency engines based on the Project site plans. In cases where these locations were not known, point sources were conservatively placed at the edge of the industrial building facing the nearest sensitive receptors.

2.3.4 ON-SITE CARGO HANDLING EQUIPMENT

It is common for industrial buildings to require the operation of exterior cargo handling equipment in the building's truck court areas. As required under MM AQ-17, this equipment would not be diesel-fueled, instead relying on electricity or natural gas. It should be noted that natural gas is considered a cleaner alternative fuel compared to diesel. While natural gas-powered engines do have the potential to emit TACs, the health risks from these are significantly lower than the health risk associated with DPM, and natural gas is considered a cleaner alternative to diesel as a result (11). As such, emissions from natural gas or electric-powered cargo handling equipment were not included in the analysis as any emissions from such equipment would be negligible

EXHIBIT 2-B: MODELED EMISSION SOURCES

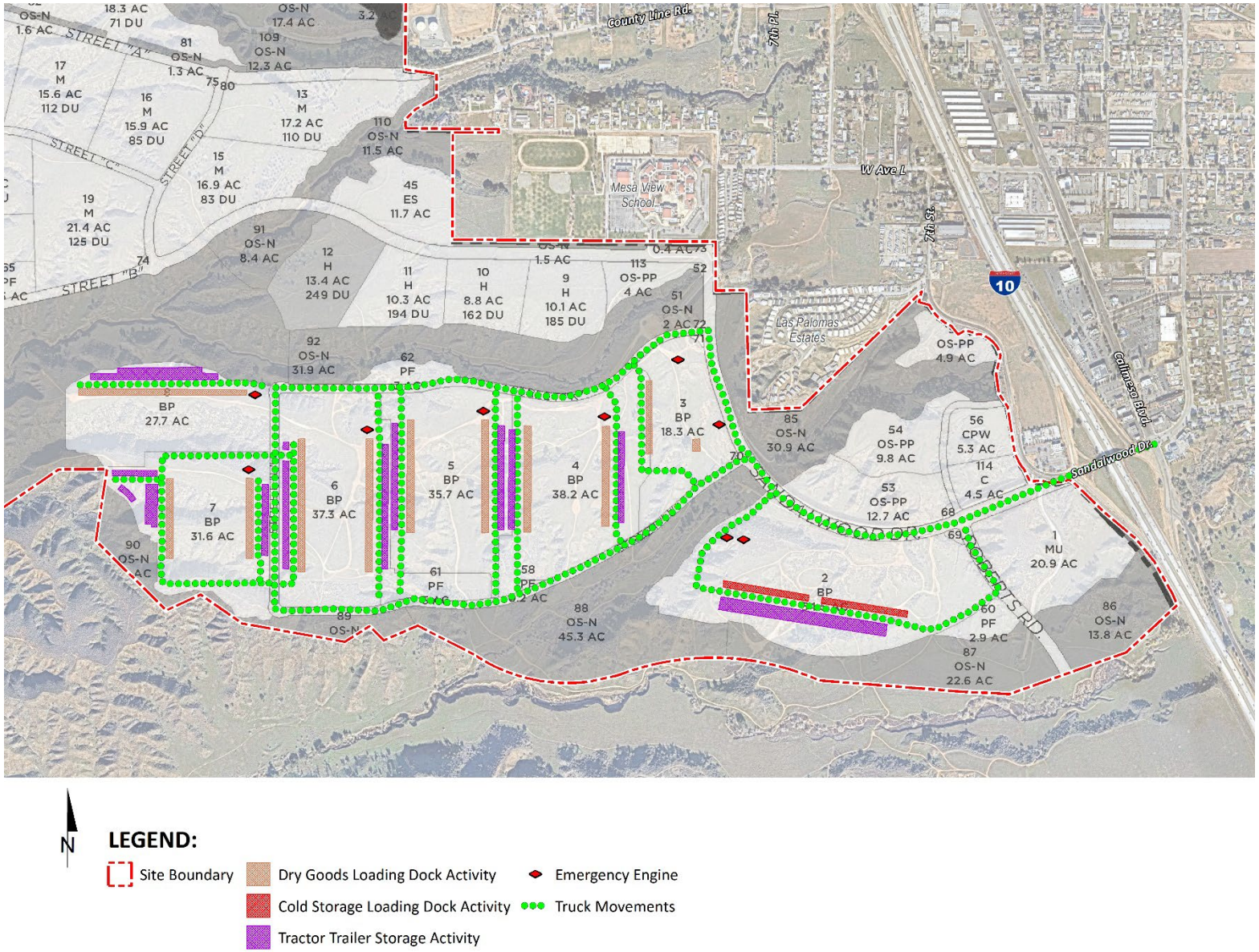


TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2045 ANALYSIS YEAR)

Truck Emission Rates							
Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	TRU Emissions (grams/day)[d]	Modeled Emission Rates (g/second)
On-Site Idling - PA2 West	132			0.1000	3.29	37.48	4.719E-04
On-Site Idling - PA2 East	132			0.1000	3.29	37.48	4.719E-04
On-Site Idling - PA3A	13			0.1000	0.32	0.00	3.693E-06
On-Site Idling - PA3B	13			0.1000	0.32	0.00	3.693E-06
On-Site Idling - PA4 West	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA4 East	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA5 West	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA5 East	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA6 West	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA6 East	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA7 West	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA7 East	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA8	74			0.1000	1.86	0.00	2.154E-05
On-Site Idling - PA2 TTP	263			0.1000	2.19	0.00	2.535E-05
On-Site Idling - PA4 TTP West	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA4 TTP East	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA5 TTP West	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA5 TTP East	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA6 TTP West	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA6 TTP East	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA7 TTP North	19			0.1000	0.16	0.00	1.795E-06
On-Site Idling - PA7 TTP West	19			0.1000	0.16	0.00	1.795E-06
On-Site Idling - PA7 TTP Center	19			0.1000	0.16	0.00	1.795E-06
On-Site Idling - PA7 TTP East	19			0.1000	0.16	0.00	1.795E-06
On-Site Idling - PA8 TTP	74			0.1000	0.62	0.00	7.181E-06
On-Site Travel - PA2	526	391.00	0.0118		4.63	10.81	1.786E-04
On-Site Travel - PA3	51	13.38	0.0118		0.16	0.00	1.831E-06
On-Site Travel - PA4 West	74	23.18	0.0118		0.27	0.00	3.173E-06
On-Site Travel - PA4 East	74	18.35	0.0118		0.22	0.00	2.512E-06
On-Site Travel - PA5 West	74	24.43	0.0118		0.29	0.00	3.345E-06
On-Site Travel - PA5 East	74	24.33	0.0118		0.29	0.00	3.331E-06
On-Site Travel - PA6 West	74	18.12	0.0118		0.21	0.00	2.481E-06
On-Site Travel - PA6 East	74	24.96	0.0118		0.30	0.00	3.418E-06
On-Site Travel - PA7	149	108.64	0.0118		1.29	0.00	1.487E-05
On-Site Travel - PA7 TTP	149	28.36	0.0118		0.34	0.00	3.883E-06
On-Site Travel - PA8	149	45.09	0.0118		0.53	0.00	6.174E-06
Off-Site Travel - Street J/K/L 40% Inbound/Outbound	529	992.35	0.0057		5.70	0.00	6.596E-05
Off-Site Travel - Sandalwood 40% Inbound/Outbound	529	111.88	0.0057		0.64	0.00	7.436E-06
Off-Site Travel - Sandalwood 80% Inbound/Outbound	1,058	67.95	0.0057		0.39	0.00	4.516E-06
Off-Site Travel - Sandalwood 95% Inbound/Outbound	1,256	402.05	0.0057		2.31	0.70	3.480E-05
Off-Site Travel - Roberts 5% Inbound/Outbound	66	8.24	0.0057		0.05	0.05	1.075E-06
Off-Site Travel - Sandalwood 100% Inbound/Outbound	1,322	431.18	0.0057		2.48	0.95	3.964E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes at loading docks and 5 minutes at parking spaces.

[d] It is assumed that each TRU operates for 2.1 hours while parked at building loading docks.

2.4 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). The Environmental Protection Agency's (U.S. EPA's) AERMOD model has been utilized. For purposes of this analysis, the Lakes AERMOD View (Version 12.0.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 23132 (12).

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

Model parameters are presented in Table 2-5 (13). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Redlands monitoring station was used to represent local weather conditions and prevailing winds (14).

TABLE 2-5: AERMOD MODEL PARAMETERS

Dispersion Coefficient (Urban/Rural)	Urban (population 2,189,641)
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, each volume source location, and receptor locations in the Project vicinity. The AERMOD dispersion model summary output files for the Project are presented in Appendix 2.3. Modeled sensitive receptors were placed at residential and non-residential locations.

Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the workplace's building, and not on the property line. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residents, workers, and school children over a period of 30, 25, or 9 years of exposure, respectively. Notwithstanding, as a conservative measure, receptors were placed at either the outdoor living area or the building façade, whichever is closer to the Project site.

For purposes of this HRA, receptors include both residential and non-residential (worker and school) land uses in the vicinity of the Project. These receptors are included in the HRA since residents, workers, and school children may be exposed at these locations over a long-term duration of 30, 25, and 9 years, respectively. This methodology is consistent with SCAQMD and OEHHA recommended guidance.

Any impacts to residents or workers located further away from the Project site than the modeled residents, workers, and schoolchildren would have a lesser impact than what has already been disclosed in the HRA at the MEIR and MEIW because concentrations dissipate with distance.

All receptors were set to existing elevation height so that only ground-level concentrations are analyzed. United States Geological Survey (USGS) Digital Elevation Model (DEM) terrain data based on a 7.5-minute topographic quadrangle map series using AERMAP was utilized in the HRA modeling to set elevations (15).

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-6 through 2-9 summarize the Exposure Parameters for residents, workers, and school children based on 2015 OEHHA Guidelines. Appendix 2.4 includes the detailed risk calculation.

TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (CONSTRUCTION ACTIVITY)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	1.00	250	8
0 to 2	1,090	10	2	1.00	250	8
2 to 16	572	3	14	1.00	250	8
16 to 30	261	1	3.27	1.00	250	8

TABLE 2-7: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1,090	10	2	0.85	350	24
2 to 16	572	3	14	0.72	350	24
16 to 30	261	1	14	0.73	350	24

TABLE 2-8: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year)	Exposure Time (hours/day)
16 to 41	230	1	25	250	12

TABLE 2-9: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year) [a]	Exposure Time (hours/day)
4 to 13	631	3	9	180	12

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

2.5 CARCINOGENIC CHEMICAL RISK

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

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

$$DOSE_{AIR} = \left(C_{AIR} \times \frac{BR}{BW} \times A \times EF\right) \times (1 \times 10^{-6})$$

Where:

$DOSE_{AIR}$	=	chronic daily intake (mg/kg/day)
C_{AIR}	=	concentration of contaminant in air (µg/m^3)
$\frac{BR}{BW}$	=	daily breathing rate normalized to body weight (L/kg BW-day)
A	=	inhalation absorption factor
EF	=	exposure frequency (days/365 days)
BW	=	body weight (kg)
1×10^{-6}	=	conversion factors (µg to mg, L to m^3)

$$RISK_{AIR} = DOSE_{AIR} \times CPF \times ASF \times FAH \times \frac{ED}{AT}$$

Where:

$DOSE_{AIR}$	=	chronic daily intake (mg/kg/day)
CPF	=	cancer potency factor
ASF	=	age sensitivity factor
FAH	=	fraction of time at home
ED	=	number of years within particular age group
AT	=	averaging time

CANCER BURDEN

Cancer burden, which represents the estimated increase in the occurrence of cancer cases in a population resulting from exposure to Project TAC emissions. It should be noted that cancer burden is typically calculated for permit application purposes for stationary TAC sources and is presented in this analysis for informational purposes only. As described in the SCAQMD Rule 1401 Risk Assessment Procedures (16), cancer burden is applicable to sources that result in a maximum incremental cancer risk exceeding one in one million, and is calculated based on the area over which emissions source would result in a cancer risk exceeding one in one million for a 70-year residential exposure duration as well as population density. Based on a one in one million cancer risk impact area of approximately 9.05 km^2 and an SCAQMD default of 4,000 persons per km^2 for lower density areas, the cancer burden for the proposed Project is estimated at 0.32, which is

less than the SCAQMD significance threshold of 0.5. As such, the cancer burden associated with the proposed Project would be than significant.

2.6 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 µg/m^3 (17).

Non-cancer health effects are expressed as a hazard index (HI), which is calculated using the following equation:

$$HI_{DPM} = \frac{C_{DPM}}{REL_{DPM}}$$

Where:

HI_{DPM}	=	Hazard index (unitless)
C_{DPM}	=	Annual average DPM concentration (µg/m^3)
REL_{DPM}	=	REL for DPM (the DPM concentration at which no adverse health effects are anticipated).

2.7 POTENTIAL PROJECT DPM-SOURCE CANCER AND NON-CANCER RISKS

CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions without mitigation is Location R2 which is located approximately 51 feet north of the Project site at an existing residence at 910 W Avenue L. Since there are no private outdoor living areas (backyards) facing the Project site, R2 is placed at the building façade. At the MEIR, without mitigation the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 0.94 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0.

The land use with the greatest potential exposure to Project construction-source DPM emissions with mitigation is Location R9 which is located approximately 604 feet east of the Project site at an existing residence at 8640 Calimesa Boulevard. Since there are no private outdoor living areas (backyards) facing the Project site, R9 is placed at the building façade. At the MEIR, with mitigation the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 0.32 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0.

It should be noted that the location of the construction MEIR varies with and without the implementation of mitigation because with the reduction in emissions that would occur from construction equipment operating on-site, the relative contribution of off-site sources, such as vendor trips on nearby roadways, would increase.

Location R2 (without mitigation) and Location R9 (with mitigation) would experience the highest concentrations of DPM during Project construction due to meteorological conditions at the site. Because all other modeled receptors would experience lower concentrations of DPM during Project construction, all other receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for these locations. The modeled receptors are illustrated on Exhibit 2-C.

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The existing residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R7 which is located approximately 71 feet northwest of the Project site at an existing residence located at 25 E Street. Since there are no private outdoor living areas facing the Project site, R7 is placed at the building façade nearest the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 2.52 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled receptors would experience lower concentrations of DPM during Project operation, all other receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project operational activity. All other receptors during operational activity would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-C.

On-Site Residential Exposure Scenario:

The analysis evaluated the potential health risk impacts associated with DPM generated by heavy duty trucks accessing Planning Areas 2 through 8 to future on-site residential receptors. Because on-site receptors would not be present at the time of Project construction activities, the analysis only considers potential impacts to on-site receptors resulting from operation of the proposed Project. The on-site receptor with the greatest potential exposure to Project operational emissions is Location ON8. At the on-site MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 7.35 in one million which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. The modeled receptors are illustrated on Exhibit 2-C.

Worker Exposure Scenario[3]*:*

The worker receptor land use with the greatest potential exposure to Project operational -source DPM emissions is Location R10, which represents the potential worker receptor located approximately 647 feet east of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.46 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The modeled receptors are illustrated on Exhibit 2-C.

School Child Exposure Scenario:

The nearest school is Mesa View Middle School (represented by Location R4), located approximately 200 feet north of the Project site. At the MEISC, the maximum incremental cancer risk impact attributable to the Project is calculated to be 0.21 in one million, which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be <0.01, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby school children. The modeled receptors are illustrated on Exhibit 2-C.

CONSTRUCTION AND OPERATIONAL IMPACTS

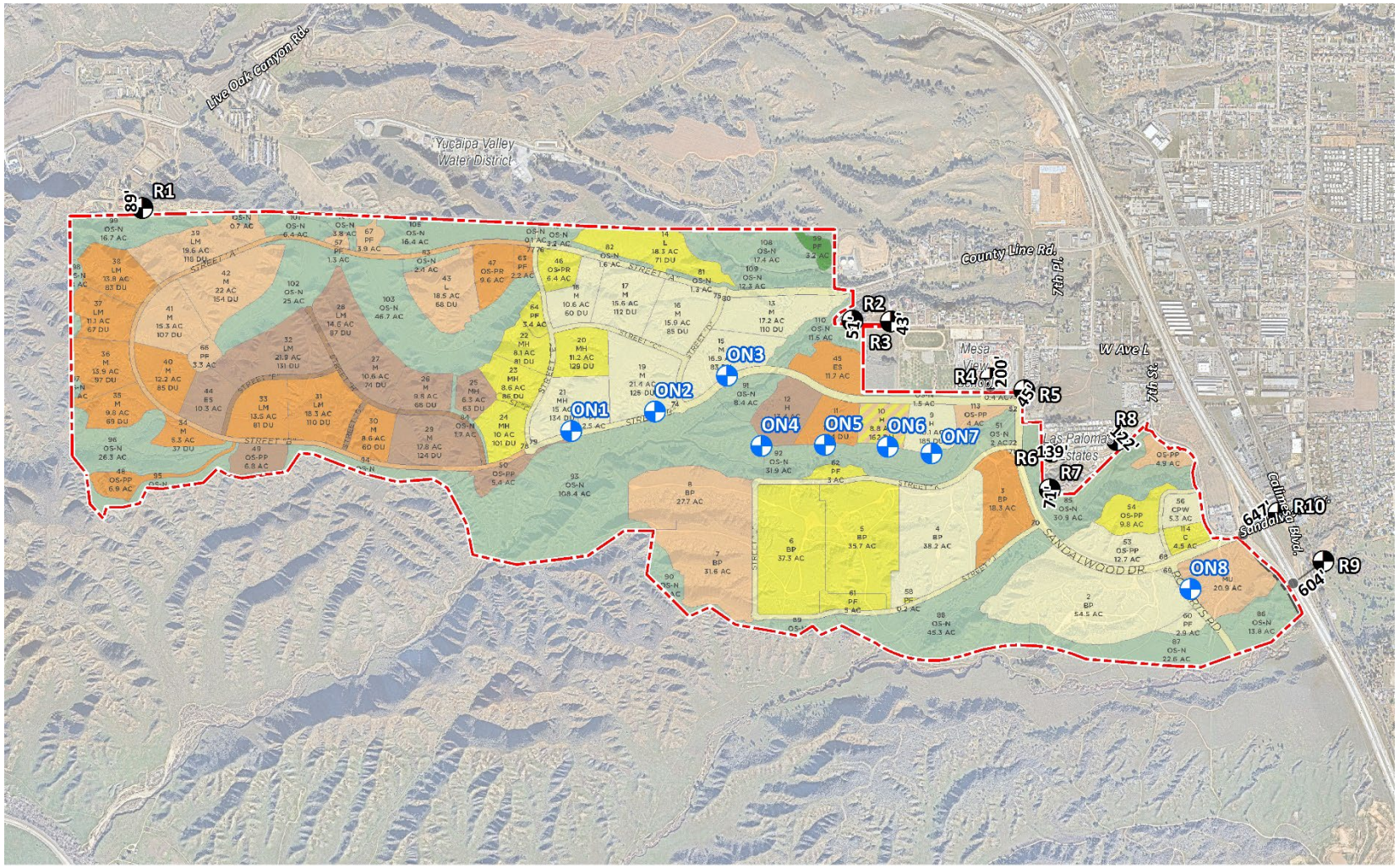
The land use with the greatest potential exposure to Project construction-source and operational-source DPM emissions is Location R7. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source and operational-source DPM emissions is estimated at 1.05 in one million without mitigation and 0.40 in one million with mitigation, both of which are less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01 without and with mitigation, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The combined construction and operational cancer risk calculation assumes that receptors would be exposed to Project construction-related emissions beginning in the third trimester, continue through the anticipated 19.52 years of Project construction activity and be exposed to Project operational emissions for the remaining 10.48 years of the 30-year operational exposure scenario. As such, because construction-related cancer risk is relatively low, and because the risk calculation heavily weighs exposures that occur early in life, the combined

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

construction and operational risk is lower than the operational risk presented above. The modeled receptors are illustrated on Exhibit 2-C.

It should be noted that for clarity purposes, the receptors presented in Exhibit 2-C do not represent all modeled receptors, instead representing relevant locations of the nearest neighborhoods, schools, and workplaces in each direction from the Project site that would experience the highest pollutant concentrations. Discrete receptors were placed at the nearest individual residences and buildings. On-site receptors were regularly placed along the planning area boundaries facing the industrial portions of the Project. A total of 181 receptors extending up to three miles from the Project site were included in the modeling. Appendix 2.5 presents a figure detailing the locations of all receptors as modeled in AERMOD.

EXHIBIT 2-C: RECEPTOR LOCATIONS



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3 CUMULATIVE HEALTH RISKS

3.1 BACKGROUND

The purpose of this section is to provide additional background and analysis of the potential cumulative health risk impacts resulting from any existing and proposed warehouse uses in the vicinity of the proposed Project.

3.2 HEALTH RISK FROM CUMULATIVE CRITERIA POLLUTANTS

SCAQMD and the San Joaquin Valley Unified Air Pollution Control District (SJVAPCD) filed Amicus Curiae Briefs (amicus briefs) in *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502 (F*riant Ranch*) (18) (19). In both amicus briefs, SCAQMD and SJVAPCD provided technical explanations as to why it may not be feasible or reliable for a project to relate the expected adverse air quality impacts to likely health consequences.

As summarized below, for the reasons set forth in the SCAQMD and SJVAPCD amicus briefs, the proposed Project's significant cumulative air quality impacts currently cannot feasibly be related to likely health consequences in an accurate or reliable manner. Although methods are being developed to determine health effects from large regional scale projects, the technical demands to feasibly and accurately relate the adverse air quality impacts to likely health consequences are too high for this Project at this time. The technical challenges are listed below, with the SCAQMD and SJVAPCD amicus briefs providing support on the findings for the Project:

- Ozone is not formed at the location of sources/emissions, which necessitates the use of complex and more sophisticated modeling that is not reasonably feasible for the proposed Project at this time. "For the so-called criteria pollutants, such as ozone, it may be more difficult to quantify health impacts. Ozone is formed in the atmosphere from the chemical reaction of the nitrogen oxides (NOx) and volatile organic compounds (VOC) in the presence of sunlight… It takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources." [SCAQMD brief, p.11]

- The quantity of precursor emissions is not proportional to local ozone and secondary PM concentration, which necessitates the use of complex and more sophisticated modeling that is not reasonably feasible for the proposed Project at this time. "Ground level ozone (smog) is not directly emitted into the air, but is formed when precursor pollutants such as oxides of nitrogen (NOx) and volatile organic compounds (VOCs) are emitted into the atmosphere and undergo complex chemical reactions in the process of sunlight. Once formed, ozone can be transported long distances by wind. Because of the complexity of ozone formation, a specific tonnage amount of NOx or VOCs emitted in a particular area does not equate to a particular concentration of ozone in that area." [SJVAPCD brief, p.4]

- "Secondary PM, like ozone, is formed via complex chemical reactions in the atmosphere between precursor chemicals such as sulfur dioxides (SOx) and NOx.

Because of the complexity of secondary PM formation, the tonnage of PM-forming precursor emissions in an area does not necessarily result in an equivalent concentration of secondary PM in that area." [SJVAPCD brief, p.5]

- Emissions do not cause health effects – it is the resulting concentration of criteria pollutants, which is influenced by sunlight, complex reactions, and transport, which necessitates the use of complex and more sophisticated modeling that is not reasonably feasible for this Project at this time. "The disconnect between the tonnage of precursor pollutants (NOx, SOx and VOCs) and the concentration of ozone or PM formed is important because it is not necessarily the tonnage of precursor pollutants that causes human health effects, but the concentration of resulting ozone or PM." [SJVAPCD brief, p.5]

- Currently available modeling tools are appropriate for regional evaluations, but not individual projects like the proposed Project. "For instance, the computer models used to simulate and predict an attainment date for the ozone or particulate matter NAAQS in the San Joaquin Valley are based on regional inputs, such as regional inventories of precursor pollutants (NOx, SOx and VOCs) and the atmospheric chemistry and meteorology of the Valley… the models simulate future ozone or PM levels based on predicted changes in precursor emissions Valley wide… The goal of these modeling exercises is not to determine whether the emissions generated by a particular factory or development project will affect the date that the Valley attains the NAAQS. Rather, the Air District's modeling and planning strategy is regional in nature and based on the extent to which all of the emission-generating sources in the Valley (current and future) must be controlled in order to reach attainment." [SJVAPCD brief, p.6-7]. "Thus, the CEQA air quality analysis for criteria pollutants is not really a localized, project level impact analysis but one of regional, "cumulative impacts."" [SJVAPCD brief, p.8] "...the currently available modeling tools are equipped to model the impact of all emission sources in the Valley on attainment... Running the photochemical grid model used for predicting ozone attainment with the emissions solely from the Friant Ranch project (which equate to less than one-tenth of one percent of the total NOx and VOC in the Valley) is not likely to yield valid information given the relative scale involved." [SJVAPCD brief, p.9-10]

- SJVAPCD indicates that it is currently impossible to accurately correlate project level emissions to specific health impacts. "Finally, even once a model is developed to accurately ascertain local increases in concentrations of photochemical pollutants like ozone and some particulates, it remains impossible, using today's models, to correlate that increase in concentration to a specific health impact. The reason is the same: such models are designed to determine regional, population-wide health impacts, and simply are not accurate when applied at the local level." [SJVAPCD brief, p.10]

- SCAQMD highlights that CARB indicated that a CARB methodology of analysis for $PM_{2.5}$ health impacts is not suited for a project such as this one. "Also, the California Air Resources Board (CARB) has developed a methodology that can predict expected mortality (premature deaths) from large amounts of $PM_{2.5}$… SCAQMD used the CARB

methodology to predict impacts from three very large power plants (e.g., 731-1837 lbs/day). Again, this project involved large amounts of additional $PM_{2.5}$ in the District, up to 2.82 tons/day (5,650 lbs/day of $PM_{2.5}$, or 1029 tons/year… However, the primary author of the CARB methodology has reported that this $PM_{2.5}$ health impact methodology is not suited for small projects and may yield unreliable results due to various uncertainties." "Among these uncertainties are the representativeness of the population used in the methodology, and the specific source of PM and the corresponding health impacts." [SCAQMD brief, p.14]. Here, the maximum operational emissions of $PM_{2.5}$ are 47.28 lbs/day. This is 0.8% of the ones that were used in the CARB methodology.

- The development of new technical approaches in the future may change the feasibility determination. To date, SCAQMD has not developed or approved a method to predict health impacts from criteria pollutants. "Moreover, what is reasonably feasible may change over time as scientists and regulatory agencies continually seek to improve their ability to predict health impacts. For example, CARB staff has been directed by its Governing Board to reassess and improve the methodology for estimating premature deaths." [SCAQMD brief, p.16]

SCAG addressed the potential health implications of significant emissions that would result from implementation of the Connect SoCal RTP/SCS in the Connect SoCal RTP/SCS EIR.[4]

For the reasons set forth above, it is not currently feasible to relate the Project's air quality impacts to likely health consequences. Both SCAQMD and SJVACPD are responsible for assessing ozone and PM impacts regionally, and the potential health consequences from those on a regional basis. The current evaluation on the limitations and uncertainties of existing tools is consistent with SCAQMD and SJVAPCD findings. Currently available regional modeling tools are not designed to capture changes in pollutant concentrations for this Project that would be meaningful. This is due in part to a relatively course spatial resolution (e.g., greater than 4-kilometer x 4 kilometer) which makes it speculative to discern local project impacts on air quality.

3.3 EXISTING CONDITIONS FOR TOXIC EMISSIONS

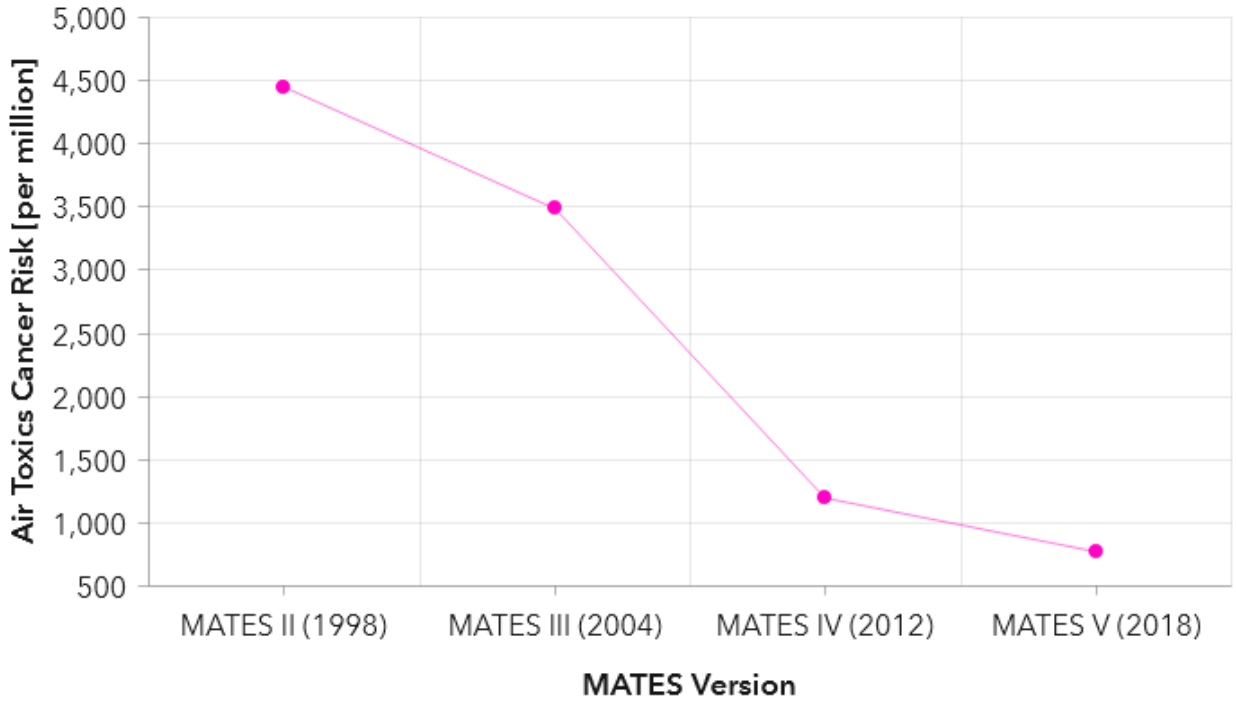
There are no state or federal ambient air quality standards applicable to TAC emissions. Preparing a cumulative assessment for TACs is complicated by the fact that site-specific impacts can be far different from average impacts over a larger geographic area. Impacts from TAC emissions are highest closest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

[4] The full discussion can be found on page 3.3-61 through -65, available online here: https://scag.ca.gov/sites/main/files/file-attachments/fpeir_connectsocal_complete.pdf?1607981618

3.4 AMBIENT TAC IMPACTS PRESUMED TO BE CUMULATIVELY SIGNIFICANT

SCAQMD has conducted an in-depth periodic analysis of toxic air contaminants and their resulting health risks within the air basin. This study, the *Multiple Air Toxics Exposure Study in the South Coast Air Quality Management District*, shows that cancer risk has decreased by approximately 84% between MATES II (1998) and MATES V (2018) at the nearest monitored location to the Project site (Rubidoux) (20), as shown on Exhibit 3-A.

EXHIBIT 3-A: AIR TOXICS CANCER RISK TRENDS – RUBIDOUX



MATES-V is the most comprehensive dataset documenting the ambient air toxic levels and health risks associated with South Coast Air Basin emissions. Therefore, the MATES-V study represents the regional baseline health risk in the South Coast Air Basin. The available scientific data from SCAQMD, which is the expert agency charged with governing air quality and preparing regional risk calculations, shows that although there has been tremendous growth basin-wide, risk levels have declined. The decline in emissions is likely due to existing regulatory requirements that have been implemented over the past 20 years. MATES-V estimates that in the localized area (zip code) encompassing the Project site, the risk is approximately 288 incidents per million population.

The SCAQMD has published a report on how to address cumulative impacts from air pollution: White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution (21). In this report SCAQMD states (Page D-3):

> ***"…the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR.***

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

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

In many ways, California's Proposition 65, also called the Safe Drinking Water and Toxic Enforcement Act, which became law in 1986 can serve as a benchmark for cumulative risk assessment. Under Proposition 65, the law defines "no significant cancer risk" as a level of exposure that would cause no more than 1 extra case of cancer in 100,000 people or in other words 10 extra cases of cancer in 1,000,000 people over a 70-year lifetime (the same threshold recommended by SCAQMD). It should be noted that diesel exhaust (DE) or diesel particulate matter (DPM) is listed by the Office of Environmental Health Hazard Assessment (OEHHA) as a known carcinogen with respect to Proposition 65.

The U.S. EPA rules generally consider a cancer risk of 100 in one million at the community level to be within the acceptable range, and this level is considered by many lead agencies in California as a cumulative cancer risk threshold.[5]

3.4 JUSTIFICATION OF A GEOGRAPHIC SCOPE IN RISK ASSESSMENT

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

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

Lastly, the Waters Bill (AB 3205) (H&SC Section, 42301.6 through 42301.9) addresses sources of hazardous air pollutants near schools and although not directly applicable to this project, this bill

[5] Bay Area Air Quality Management District, Revised Draft Options and Justification Report, California Environmental Quality Act Thresholds of Significance. October 2009, p. 67 (noting that "the 100 in a million excess cancer cases is also consistent with the ambient cancer risk in the most pristine portions of the Bay Area based on the District's recent regional modeling analysis."

further evidences the propriety of considering hazardous emissions sources within a defined 1,000-foot radius. That is, pursuant to the Waters Bill, prior to approving an application for a permit to construct or modify a source which emits hazardous air emissions (i.e. DPM), which source is located within 1,000 feet from the outer boundary of a school site, the air pollution control officer shall prepare a public notice in which the proposed project or modification for which the application for a permit is made is fully described.

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

More recent studies suggest that in light of emission reductions due to tightening emission standards over the past twenty years, this 1,000-foot siting distance is overly conservative. Modeling performed for the 2021 report *Evaluating Siting Distances for New Sensitive Receptors Near Warehouses*, prepared by the Ramboll Group, demonstrates a significant reduction in DPM emissions and risk between year 2000 emissions (which were utilized by CARB in establishing its recommended siting guidance of 1,000 feet) and 2023 (22). This reduction is attributed to a significant reduction in DPM emission rates from trucks and TRUs resulting from the adoption of increasingly stringent emission standards. This reduction in DPM emission rates has resulted in a corresponding significant reduction in risk as well, despite increasingly conservative regulatory guidance in the preparation of HRAs, particularly OEHHA's adoption of age sensitivity factors in their revised HRA guidance released in 2015.

3.5 CUMULATIVE TAC IMPACTS

As noted above, SCAQMD does not currently have a separate methodology or threshold to evaluate a project's contribution to cumulative cancer risk. Instead, "[p]rojects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable."

As explained in Section 2.7 above, the Project does not exceed the SCAQMD project-specific significance threshold of an excess cancer risk of 10 in one million and would therefore not have a cumulatively considerable health risk impact.

As shown in the Project traffic analysis, there are eleven total current or approved cumulative industrial/warehouse development projects, however none of these are located within 1,000 feet of the proposed Project or Project truck routes.

4 REFERENCES

1. **South Coast Air Quality Managment District.** Mobile Source Toxics Analysis. [Online] 2003. http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.
2. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. [Cited: June 6, 2019.] http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf?sfvrsn=2.
3. **Urban Crossroads, Inc.** *Mesa Verde Specific Plan Traffic Analysis.* 2024.
4. —. *Mesa Verde Specific Plan Air Quality Impact Analysis.* 2024.
5. **California Air Resources Board.** EMFAC 2021. [Online] https://arb.ca.gov/emfac/.
6. **California Department of Transportation.** EMFAC Software. [Online] http://www.dot.ca.gov/hq/env/air/pages/emfac.htm.
7. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.
8. **South Coast Air Quality Management District.** Final 2016 Air Quality Management Plan (AQMP). [Online] March 2017. http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf?sfvrsn=11.
9. **California Air Resources Board.** TRU Regulation. *Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled TRUs and TRU Generator Sets, and Facilities Where TRUs Operate.* [Online] 2022. https://ww2.arb.ca.gov/rulemaking/2021/tru2021.
10. **California Air Pollution Control Officers Association.** *Facility Prioritization Guidelines.* 2016.
11. **Office of Environmental Health Hazard Assessment.** Diesel Engine Exhaust. [Online] https://www.p65warnings.ca.gov/fact-sheets/diesel-engine-exhaust.
12. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] June 2022. https://gaftp.epa.gov/Air/aqmg/SCRAM/models/preferred/aermod/aermod_userguide.pdf.
13. —. User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] April 2018. https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf.
14. **South Coast Air Quality Management District.** Data for AERMOD. [Online] [Cited: May 9, 2022.] https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod.
15. **Environmental Protection Agency.** User's Guide for the AERMOD Terrain Preprocessor (AERMAP). [Online] 2018. https://gaftp.epa.gov/Air/aqmg/SCRAM/models/related/aermap/aermap_userguide_v18081.pdf.
16. **South Coast Air Quality Management District.** *Risk Assessment Procedures for Rules 1401, 1401.1 & 212.* 2017.
17. **Office of Environmental Health Hazard Assessment.** Chemical Toxicity Database. [Online] https://oehha.ca.gov/chemicals.
18. **South Coast Air Quality Management District.** *Brief for the SCAQMD as Amicus Curiae, Sierra Club v. County of Fresno, 6 Cal.5th 502.* 2018.

19. **San Joaquin Valley Unified Air Pollution Control District.** *Brief for the SJVAPCD as Amicus Curiae, Sierra Club v. County of Fresno, 6 Cal.5th 502.* 2018.

20. **South Coast Air Quality Management District.** *Multiple Air Toxics Exposure Study in the South Coast AQMD.* 2021.

21. —. *White Paper on Potential Control Strategies to Address Cumulative Impacts From Air Pollution.* 2003.

22. **Ramboll Group.** Evaluating Siting Distances for New Sensitive Receptors Near Warehouses. [Online] 2021. https://naiopie.org/wp-content/uploads/2023/03/Ramboll-Comments-on-A-Region-in-Crisis_021323.pdf.

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5 CERTIFICATIONS

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Mesa Verde Specific Plan Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me at (949) 660-1994.

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

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University of California, Irvine • June 2006

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

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

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APPENDIX 2.1:

CALEEMOD OUTPUTS

15218 Mesa Verde Ph1 Construction Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

3.2. Site Preparation (2026) - Mitigated

3.3. Grading (2026) - Unmitigated

3.4. Grading (2026) - Mitigated

3.5. Grading (2027) - Unmitigated

3.6. Grading (2027) - Mitigated

3.7. Building Construction (2027) - Unmitigated

3.8. Building Construction (2027) - Mitigated

3.9. Building Construction (2028) - Unmitigated

3.10. Building Construction (2028) - Mitigated

3.11. Paving (2028) - Unmitigated

3.12. Paving (2028) - Mitigated

3.13. Paving (2029) - Unmitigated

3.14. Paving (2029) - Mitigated

3.15. Architectural Coating (2029) - Unmitigated

3.16. Architectural Coating (2029) - Mitigated

3.17. Architectural Coating (2030) - Unmitigated

3.18. Architectural Coating (2030) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	15218 Mesa Verde Ph1 Construction
Construction Start Date	7/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	25.8
Location	33.99658016182559, -117.07425469739829
County	Riverside-South Coast
City	Calimesa
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5624
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Light Industry	1,400	1000sqft	32.1	1,400,000	0.00	—	—	—

City Park	12.7	Acre	12.7	0.00	0.00	0.00	—	—
Single Family Housing	709	Dwelling Unit	230	1,382,550	8,304,416	—	2,290	—
Apartments Low Rise	185	Dwelling Unit	11.6	196,100	0.00	—	598	—
Parking Lot	47.6	Acre	47.6	0.00	0.00	—	—	—
Government (Civic Center)	16.5	1000sqft	0.38	16,500	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.9	87.9	144	136	0.39	5.94	14.1	16.2	5.47	3.36	8.19	—	43,252	43,252	1.71	1.17	52.6	43,521
Mit.	5.69	20.7	23.9	208	0.39	0.83	14.1	14.4	0.83	3.36	3.63	—	43,252	43,252	1.71	1.17	52.6	43,521
% Reduced	71%	76%	83%	-52%	—	86%	—	11%	85%	—	56%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	19.9	87.8	144	135	0.39	5.94	14.1	16.2	5.47	3.36	8.19	—	43,173	43,173	1.68	1.17	1.36	43,432
Mit.	5.47	20.6	24.1	207	0.39	0.83	14.1	14.4	0.83	3.36	3.63	—	43,173	43,173	1.68	1.17	1.36	43,432
% Reduced	72%	77%	83%	-53%	—	86%	—	11%	85%	—	56%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.70	26.2	52.2	73.7	0.15	1.98	8.83	10.8	1.82	2.19	4.01	—	22,065	22,065	0.71	0.75	12.6	22,302
Mit.	3.58	6.47	13.6	97.4	0.15	0.36	8.83	9.19	0.36	2.19	2.54	—	22,065	22,065	0.71	0.75	12.6	22,302
% Reduced	59%	75%	74%	-32%	—	82%	—	15%	80%	—	37%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.59	4.78	9.53	13.5	0.03	0.36	1.61	1.97	0.33	0.40	0.73	—	3,653	3,653	0.12	0.12	2.08	3,692
Mit.	0.65	1.18	2.48	17.8	0.03	0.07	1.61	1.68	0.07	0.40	0.46	—	3,653	3,653	0.12	0.12	2.08	3,692
% Reduced	59%	75%	74%	-32%	—	82%	—	15%	80%	—	37%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	19.9	16.7	144	136	0.39	5.94	10.3	16.2	5.47	2.73	8.19	—	43,252	43,252	1.71	0.73	9.89	43,521
2027	19.3	16.2	133	135	0.39	5.51	14.1	15.8	5.07	3.36	7.80	—	43,182	43,182	1.68	1.17	52.6	43,444
2028	7.03	6.04	27.1	90.3	0.08	0.72	14.1	14.8	0.67	3.36	4.03	—	22,633	22,633	0.43	1.17	47.3	23,040
2029	1.07	87.9	8.71	14.3	0.03	0.27	2.57	2.60	0.25	0.60	0.63	—	3,900	3,900	0.10	0.35	6.61	4,012
2030	1.02	87.8	2.60	13.5	< 0.005	0.03	2.57	2.60	0.03	0.60	0.63	—	2,875	2,875	0.04	0.10	5.87	2,910

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	19.9	16.7	144	135	0.39	5.94	10.3	16.2	5.47	2.73	8.19	—	43,173	43,173	1.68	0.73	0.26	43,432
2027	19.2	16.1	134	133	0.39	5.51	14.1	15.8	5.07	3.36	7.80	—	43,105	43,105	1.68	1.17	1.36	43,358
2028	6.43	5.82	27.8	75.5	0.08	0.72	14.1	14.8	0.67	3.36	4.03	—	21,591	21,591	0.46	1.17	1.23	21,953
2029	1.03	87.8	8.81	11.5	0.03	0.27	2.57	2.60	0.25	0.60	0.63	—	3,887	3,887	0.10	0.35	0.17	3,993
2030	0.99	87.8	2.69	11.0	< 0.005	0.03	2.57	2.60	0.03	0.60	0.63	—	2,674	2,674	0.04	0.10	0.15	2,703
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	5.18	4.35	36.9	35.2	0.10	1.55	2.57	4.12	1.43	0.67	2.10	—	11,204	11,204	0.44	0.19	1.15	11,273
2027	8.70	7.34	52.2	73.7	0.15	1.98	8.83	10.8	1.82	2.19	4.01	—	22,065	22,065	0.71	0.70	10.6	22,302
2028	3.98	3.66	17.8	48.3	0.05	0.47	8.47	8.93	0.43	2.02	2.45	—	13,552	13,552	0.29	0.75	12.6	13,795
2029	0.71	26.2	4.55	8.29	0.01	0.13	1.10	1.22	0.12	0.27	0.39	—	2,443	2,443	0.06	0.17	1.80	2,498
2030	0.24	21.5	0.66	2.79	< 0.005	0.01	0.62	0.62	0.01	0.14	0.15	—	661	661	0.01	0.02	0.62	669
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.95	0.79	6.73	6.42	0.02	0.28	0.47	0.75	0.26	0.12	0.38	—	1,855	1,855	0.07	0.03	0.19	1,866
2027	1.59	1.34	9.53	13.5	0.03	0.36	1.61	1.97	0.33	0.40	0.73	—	3,653	3,653	0.12	0.12	1.75	3,692
2028	0.73	0.67	3.25	8.81	0.01	0.09	1.54	1.63	0.08	0.37	0.45	—	2,244	2,244	0.05	0.12	2.08	2,284
2029	0.13	4.78	0.83	1.51	< 0.005	0.02	0.20	0.22	0.02	0.05	0.07	—	404	404	0.01	0.03	0.30	414
2030	0.04	3.92	0.12	0.51	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	109	109	< 0.005	< 0.005	0.10	111

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.42	4.29	23.9	208	0.39	0.83	10.3	11.1	0.83	2.73	3.55	—	43,252	43,252	1.71	0.73	9.89	43,521

2027	5.69	4.99	23.8	207	0.39	0.83	14.1	14.4	0.82	3.36	3.63	—	43,182	43,182	1.68	1.17	52.6	43,444
2028	5.51	4.84	14.1	94.8	0.08	0.26	14.1	14.4	0.26	3.36	3.62	—	22,633	22,633	0.43	1.17	47.3	23,040
2029	1.07	20.7	4.54	14.3	0.03	0.12	2.57	2.60	0.11	0.60	0.63	—	3,900	3,900	0.10	0.35	6.61	4,012
2030	1.02	20.6	2.60	13.5	< 0.005	0.03	2.57	2.60	0.03	0.60	0.63	—	2,875	2,875	0.04	0.10	5.87	2,910
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.40	4.27	24.1	207	0.39	0.83	10.3	11.1	0.83	2.73	3.55	—	43,173	43,173	1.68	0.73	0.26	43,432
2027	5.47	4.76	23.9	206	0.39	0.83	14.1	14.4	0.82	3.36	3.63	—	43,105	43,105	1.68	1.17	1.36	43,358
2028	4.91	4.61	14.8	80.1	0.08	0.26	14.1	14.4	0.26	3.36	3.62	—	21,591	21,591	0.46	1.17	1.23	21,953
2029	1.03	20.6	4.64	12.0	0.03	0.12	2.57	2.60	0.11	0.60	0.63	—	3,887	3,887	0.10	0.35	0.17	3,993
2030	0.99	20.6	2.69	11.0	< 0.005	0.03	2.57	2.60	0.03	0.60	0.63	—	2,674	2,674	0.04	0.10	0.15	2,703
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.14	1.10	6.23	53.9	0.10	0.21	2.57	2.78	0.21	0.67	0.88	—	11,204	11,204	0.44	0.19	1.15	11,273
2027	3.58	3.25	13.6	97.4	0.15	0.36	8.83	9.19	0.36	2.19	2.54	—	22,065	22,065	0.71	0.70	10.6	22,302
2028	3.01	2.89	9.45	51.1	0.05	0.17	8.47	8.64	0.17	2.02	2.18	—	13,552	13,552	0.29	0.75	12.6	13,795
2029	0.53	6.47	2.78	8.58	0.01	0.06	1.10	1.16	0.06	0.27	0.33	—	2,443	2,443	0.06	0.17	1.80	2,498
2030	0.24	5.03	0.66	2.79	< 0.005	0.01	0.62	0.62	0.01	0.14	0.15	—	661	661	0.01	0.02	0.62	669
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.21	0.20	1.14	9.83	0.02	0.04	0.47	0.51	0.04	0.12	0.16	—	1,855	1,855	0.07	0.03	0.19	1,866
2027	0.65	0.59	2.48	17.8	0.03	0.07	1.61	1.68	0.07	0.40	0.46	—	3,653	3,653	0.12	0.12	1.75	3,692
2028	0.55	0.53	1.73	9.32	0.01	0.03	1.54	1.58	0.03	0.37	0.40	—	2,244	2,244	0.05	0.12	2.08	2,284
2029	0.10	1.18	0.51	1.57	< 0.005	0.01	0.20	0.21	0.01	0.05	0.06	—	404	404	0.01	0.03	0.30	414
2030	0.04	0.92	0.12	0.51	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	109	109	< 0.005	< 0.005	0.10	111

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.73	3.14	22.2	24.2	0.07	1.19	—	1.19	1.09	—	1.09	—	7,078	7,078	0.29	0.06	—	7,102
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	2.73	2.98	0.01	0.15	—	0.15	0.13	—	0.13	—	873	873	0.04	0.01	—	876
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.50	0.54	< 0.005	0.03	—	0.03	0.02	—	0.02	—	144	144	0.01	< 0.005	—	145

Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	1.62	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	310	310	0.01	0.01	1.05	315
Vendor	0.03	0.01	0.61	0.19	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	572	572	0.01	0.09	1.56	600
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.6	35.6	< 0.005	< 0.005	0.06	36.1
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	70.5	70.5	< 0.005	0.01	0.08	73.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.90	5.90	< 0.005	< 0.005	0.01	5.98
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.01	12.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.67	3.48	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,078	7,078	0.29	0.06	—	7,102
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.43	4.74	0.01	0.02	—	0.02	0.02	—	0.02	—	873	873	0.04	0.01	—	876
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.08	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	144	144	0.01	< 0.005	—	145
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	1.62	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	310	310	0.01	0.01	1.05	315
Vendor	0.03	0.01	0.61	0.19	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	572	572	0.01	0.09	1.56	600
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.6	35.6	< 0.005	< 0.005	0.06	36.1
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	70.5	70.5	< 0.005	0.01	0.08	73.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.90	5.90	< 0.005	< 0.005	0.01	5.98
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	0.01	12.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	19.4	16.3	141	130	0.37	5.90	—	5.90	5.43	—	5.43	—	39,874	39,874	1.62	0.32	—	40,011

Dust From Material Movement	—	—	—	—	—	—	8.65	8.65	—	2.32	2.32	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	19.4	16.3	141	130	0.37	5.90	—	5.90	5.43	—	5.43	—	39,874	39,874	1.62	0.32	—	40,011
Dust From Material Movement	—	—	—	—	—	—	8.65	8.65	—	2.32	2.32	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.60	3.87	33.3	30.9	0.09	1.40	—	1.40	1.29	—	1.29	—	9,442	9,442	0.38	0.08	—	9,474
Dust From Material Movement	—	—	—	—	—	—	2.05	2.05	—	0.55	0.55	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	0.71	6.08	5.63	0.02	0.26	—	0.26	0.23	—	0.23	—	1,563	1,563	0.06	0.01	—	1,569
Dust From Material Movement	—	—	—	—	—	—	0.37	0.37	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.31	0.28	5.21	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	1,000	1,000	0.04	0.03	3.39	1,015
Vendor	0.11	0.05	2.54	0.79	0.02	0.04	0.68	0.71	0.04	0.19	0.22	—	2,378	2,378	0.05	0.37	6.50	2,495
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.29	0.32	3.95	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	919	919	0.01	0.04	0.09	931
Vendor	0.11	0.05	2.65	0.81	0.02	0.04	0.68	0.71	0.04	0.19	0.22	—	2,380	2,380	0.05	0.37	0.17	2,491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.98	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	220	220	< 0.005	0.01	0.35	223
Vendor	0.02	0.01	0.63	0.19	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	563	563	0.01	0.09	0.66	590
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.5	36.5	< 0.005	< 0.005	0.06	37.0
Vendor	< 0.005	< 0.005	0.12	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	93.3	93.3	< 0.005	0.01	0.11	97.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.97	3.93	21.1	202	0.37	0.80	—	0.80	0.79	—	0.79	—	39,874	39,874	1.62	0.32	—	40,011
Dust From Material Movement	—	—	—	—	—	—	8.65	8.65	—	2.32	2.32	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.97	3.93	21.1	202	0.37	0.80	—	0.80	0.79	—	0.79	—	39,874	39,874	1.62	0.32	—	40,011
Dust From Material Movement	—	—	—	—	—	—	8.65	8.65	—	2.32	2.32	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.93	5.00	47.8	0.09	0.19	—	0.19	0.19	—	0.19	—	9,442	9,442	0.38	0.08	—	9,474
Dust From Material Movement	—	—	—	—	—	—	2.05	2.05	—	0.55	0.55	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	0.91	8.72	0.02	0.03	—	0.03	0.03	—	0.03	—	1,563	1,563	0.06	0.01	—	1,569
Dust From Material Movement	—	—	—	—	—	—	0.37	0.37	—	0.10	0.10	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.31	0.28	5.21	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	1,000	1,000	0.04	0.03	3.39	1,015
Vendor	0.11	0.05	2.54	0.79	0.02	0.04	0.68	0.71	0.04	0.19	0.22	—	2,378	2,378	0.05	0.37	6.50	2,495
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.29	0.32	3.95	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	919	919	0.01	0.04	0.09	931
Vendor	0.11	0.05	2.65	0.81	0.02	0.04	0.68	0.71	0.04	0.19	0.22	—	2,380	2,380	0.05	0.37	0.17	2,491
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.98	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	220	220	< 0.005	0.01	0.35	223
Vendor	0.02	0.01	0.63	0.19	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	563	563	0.01	0.09	0.66	590
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.5	36.5	< 0.005	< 0.005	0.06	37.0
Vendor	< 0.005	< 0.005	0.12	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	93.3	93.3	< 0.005	0.01	0.11	97.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	18.8	15.8	131	129	0.37	5.47	—	5.47	5.03	—	5.03	—	39,866	39,866	1.62	0.32	—	40,003
Dust From Material Movement	—	—	—	—	—	—	8.65	8.65	—	2.32	2.32	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	18.8	15.8	131	129	0.37	5.47	—	5.47	5.03	—	5.03	—	39,866	39,866	1.62	0.32	—	40,003
Dust From Material Movement	—	—	—	—	—	—	8.65	8.65	—	2.32	2.32	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.64	4.74	39.2	38.6	0.11	1.64	—	1.64	1.51	—	1.51	—	11,937	11,937	0.48	0.10	—	11,977
Dust From Material Movement	—	—	—	—	—	—	2.59	2.59	—	0.69	0.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.15	7.05	0.02	0.30	—	0.30	0.28	—	0.28	—	1,976	1,976	0.08	0.02	—	1,983

Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.29	0.25	4.82	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	981	981	0.01	0.03	3.05	995
Vendor	0.11	0.05	2.44	0.77	0.02	0.04	0.68	0.71	0.04	0.19	0.22	—	2,335	2,335	0.05	0.35	5.94	2,446
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.27	0.28	3.64	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	903	903	0.01	0.03	0.08	913
Vendor	0.10	0.05	2.55	0.79	0.02	0.04	0.68	0.71	0.04	0.19	0.22	—	2,336	2,336	0.05	0.35	0.15	2,442
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.14	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	274	274	< 0.005	0.01	0.39	277
Vendor	0.03	0.01	0.76	0.23	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	699	699	0.02	0.10	0.77	732
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	45.3	45.3	< 0.005	< 0.005	0.07	45.9
Vendor	0.01	< 0.005	0.14	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	116	116	< 0.005	0.02	0.13	121
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.96	3.92	21.1	202	0.37	0.79	—	0.79	0.79	—	0.79	—	39,866	39,866	1.62	0.32	—	40,003
Dust From Material Movement	—	—	—	—	—	—	8.65	8.65	—	2.32	2.32	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.96	3.92	21.1	202	0.37	0.79	—	0.79	0.79	—	0.79	—	39,866	39,866	1.62	0.32	—	40,003
Dust From Material Movement	—	—	—	—	—	—	8.65	8.65	—	2.32	2.32	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	1.17	6.31	60.4	0.11	0.24	—	0.24	0.24	—	0.24	—	11,937	11,937	0.48	0.10	—	11,977
Dust From Material Movement	—	—	—	—	—	—	2.59	2.59	—	0.69	0.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.21	1.15	11.0	0.02	0.04	—	0.04	0.04	—	0.04	—	1,976	1,976	0.08	0.02	—	1,983
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.29	0.25	4.82	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	981	981	0.01	0.03	3.05	995
Vendor	0.11	0.05	2.44	0.77	0.02	0.04	0.68	0.71	0.04	0.19	0.22	—	2,335	2,335	0.05	0.35	5.94	2,446
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.27	0.28	3.64	0.00	0.00	0.95	0.95	0.00	0.22	0.22	—	903	903	0.01	0.03	0.08	913
Vendor	0.10	0.05	2.55	0.79	0.02	0.04	0.68	0.71	0.04	0.19	0.22	—	2,336	2,336	0.05	0.35	0.15	2,442
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.14	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	274	274	< 0.005	0.01	0.39	277
Vendor	0.03	0.01	0.76	0.23	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	699	699	0.02	0.10	0.77	732
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.21	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	45.3	45.3	< 0.005	< 0.005	0.07	45.9
Vendor	0.01	< 0.005	0.14	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	116	116	< 0.005	0.02	0.13	121
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.66	2.22	20.3	28.1	0.05	0.73	—	0.73	0.67	—	0.67	—	5,259	5,259	0.21	0.04	—	5,277
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.66	2.22	20.3	28.1	0.05	0.73	—	0.73	0.67	—	0.67	—	5,259	5,259	0.21	0.04	—	5,277
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.44	11.6	0.02	0.30	—	0.30	0.28	—	0.28	—	2,182	2,182	0.09	0.02	—	2,189
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.54	2.13	< 0.005	0.06	—	0.06	0.05	—	0.05	—	361	361	0.01	< 0.005	—	362
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.43	3.94	3.41	65.2	0.00	0.00	12.8	12.8	0.00	3.01	3.01	—	13,288	13,288	0.15	0.47	41.3	13,472
Vendor	0.20	0.09	4.64	1.46	0.03	0.07	1.28	1.35	0.07	0.35	0.42	—	4,433	4,433	0.10	0.66	11.3	4,644
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.21	3.72	3.85	49.3	0.00	0.00	12.8	12.8	0.00	3.01	3.01	—	12,221	12,221	0.17	0.47	1.07	12,365
Vendor	0.20	0.09	4.84	1.50	0.03	0.07	1.28	1.35	0.07	0.35	0.42	—	4,436	4,436	0.10	0.66	0.29	4,637
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.75	1.54	1.76	21.5	0.00	0.00	5.24	5.24	0.00	1.23	1.23	—	5,134	5,134	0.07	0.19	7.39	5,201
Vendor	0.08	0.04	2.01	0.61	0.01	0.03	0.53	0.55	0.03	0.15	0.17	—	1,840	1,840	0.04	0.28	2.02	1,925
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.28	0.32	3.92	0.00	0.00	0.96	0.96	0.00	0.22	0.22	—	850	850	0.01	0.03	1.22	861
Vendor	0.02	0.01	0.37	0.11	< 0.005	0.01	0.10	0.10	0.01	0.03	0.03	—	305	305	0.01	0.05	0.33	319
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.06	0.95	6.39	32.7	0.05	0.21	—	0.21	0.20	—	0.20	—	5,259	5,259	0.21	0.04	—	5,277
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.06	0.95	6.39	32.7	0.05	0.21	—	0.21	0.20	—	0.20	—	5,259	5,259	0.21	0.04	—	5,277
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.40	2.65	13.5	0.02	0.09	—	0.09	0.08	—	0.08	—	2,182	2,182	0.09	0.02	—	2,189
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.48	2.47	< 0.005	0.02	—	0.02	0.02	—	0.02	—	361	361	0.01	< 0.005	—	362
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.43	3.94	3.41	65.2	0.00	0.00	12.8	12.8	0.00	3.01	3.01	—	13,288	13,288	0.15	0.47	41.3	13,472
Vendor	0.20	0.09	4.64	1.46	0.03	0.07	1.28	1.35	0.07	0.35	0.42	—	4,433	4,433	0.10	0.66	11.3	4,644
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.21	3.72	3.85	49.3	0.00	0.00	12.8	12.8	0.00	3.01	3.01	—	12,221	12,221	0.17	0.47	1.07	12,365

Vendor	0.20	0.09	4.84	1.50	0.03	0.07	1.28	1.35	0.07	0.35	0.42	—	4,436	4,436	0.10	0.66	0.29	4,637
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.75	1.54	1.76	21.5	0.00	0.00	5.24	5.24	0.00	1.23	1.23	—	5,134	5,134	0.07	0.19	7.39	5,201
Vendor	0.08	0.04	2.01	0.61	0.01	0.03	0.53	0.55	0.03	0.15	0.17	—	1,840	1,840	0.04	0.28	2.02	1,925
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.28	0.32	3.92	0.00	0.00	0.96	0.96	0.00	0.22	0.22	—	850	850	0.01	0.03	1.22	861
Vendor	0.02	0.01	0.37	0.11	< 0.005	0.01	0.10	0.10	0.01	0.03	0.03	—	305	305	0.01	0.05	0.33	319
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.56	2.14	19.3	28.1	0.05	0.65	—	0.65	0.60	—	0.60	—	5,260	5,260	0.21	0.04	—	5,278
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.56	2.14	19.3	28.1	0.05	0.65	—	0.65	0.60	—	0.60	—	5,260	5,260	0.21	0.04	—	5,278
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.54	1.29	11.6	16.9	0.03	0.39	—	0.39	0.36	—	0.36	—	3,171	3,171	0.13	0.03	—	3,181
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	2.13	3.09	0.01	0.07	—	0.07	0.07	—	0.07	—	525	525	0.02	< 0.005	—	527
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.27	3.81	3.39	60.8	0.00	0.00	12.8	12.8	0.00	3.01	3.01	—	13,040	13,040	0.15	0.47	37.0	13,220
Vendor	0.20	0.09	4.41	1.42	0.03	0.07	1.28	1.35	0.07	0.35	0.42	—	4,332	4,332	0.07	0.66	10.3	4,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.68	3.59	3.83	46.0	0.00	0.00	12.8	12.8	0.00	3.01	3.01	—	11,995	11,995	0.17	0.47	0.96	12,139
Vendor	0.19	0.09	4.62	1.46	0.03	0.07	1.28	1.35	0.07	0.35	0.42	—	4,336	4,336	0.07	0.66	0.27	4,536
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	2.15	2.31	29.2	0.00	0.00	7.61	7.61	0.00	1.78	1.78	—	7,321	7,321	0.10	0.28	9.63	7,417
Vendor	0.12	0.05	2.80	0.87	0.02	0.04	0.76	0.80	0.04	0.21	0.25	—	2,612	2,612	0.04	0.40	2.67	2,735
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.39	0.42	5.33	0.00	0.00	1.39	1.39	0.00	0.33	0.33	—	1,212	1,212	0.02	0.05	1.59	1,228

Vendor	0.02	0.01	0.51	0.16	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	432	432	0.01	0.07	0.44	453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	0.93	6.31	32.6	0.05	0.20	—	0.20	0.19	—	0.19	—	5,260	5,260	0.21	0.04	—	5,278
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	0.93	6.31	32.6	0.05	0.20	—	0.20	0.19	—	0.19	—	5,260	5,260	0.21	0.04	—	5,278
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.56	3.80	19.7	0.03	0.12	—	0.12	0.11	—	0.11	—	3,171	3,171	0.13	0.03	—	3,181
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.10	0.69	3.59	0.01	0.02	—	0.02	0.02	—	0.02	—	525	525	0.02	< 0.005	—	527
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.27	3.81	3.39	60.8	0.00	0.00	12.8	12.8	0.00	3.01	3.01	—	13,040	13,040	0.15	0.47	37.0	13,220
Vendor	0.20	0.09	4.41	1.42	0.03	0.07	1.28	1.35	0.07	0.35	0.42	—	4,332	4,332	0.07	0.66	10.3	4,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.68	3.59	3.83	46.0	0.00	0.00	12.8	12.8	0.00	3.01	3.01	—	11,995	11,995	0.17	0.47	0.96	12,139
Vendor	0.19	0.09	4.62	1.46	0.03	0.07	1.28	1.35	0.07	0.35	0.42	—	4,336	4,336	0.07	0.66	0.27	4,536
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	2.15	2.31	29.2	0.00	0.00	7.61	7.61	0.00	1.78	1.78	—	7,321	7,321	0.10	0.28	9.63	7,417
Vendor	0.12	0.05	2.80	0.87	0.02	0.04	0.76	0.80	0.04	0.21	0.25	—	2,612	2,612	0.04	0.40	2.67	2,735
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.39	0.42	5.33	0.00	0.00	1.39	1.39	0.00	0.33	0.33	—	1,212	1,212	0.02	0.05	1.59	1,228
Vendor	0.02	0.01	0.51	0.16	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	432	432	0.01	0.07	0.44	453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.75	1.12	< 0.005	0.03	—	0.03	0.03	—	0.03	—	172	172	0.01	< 0.005	—	172
Paving	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.14	0.21	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	28.4	28.4	< 0.005	< 0.005	—	28.5
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.70	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	183	183	< 0.005	0.01	0.01	185
Vendor	0.10	0.05	2.40	0.76	0.02	0.04	0.67	0.70	0.04	0.18	0.22	—	2,255	2,255	0.04	0.35	0.14	2,359
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.1	21.1	< 0.005	< 0.005	0.03	21.3
Vendor	0.01	0.01	0.27	0.09	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	256	256	< 0.005	0.04	0.26	268
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.49	3.49	< 0.005	< 0.005	< 0.005	3.53
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.3	42.3	< 0.005	0.01	0.04	44.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.30	10.6	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.26	1.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	172	172	0.01	< 0.005	—	172
Paving	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	28.4	28.4	< 0.005	< 0.005	—	28.5
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.70	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	183	183	< 0.005	0.01	0.01	185
Vendor	0.10	0.05	2.40	0.76	0.02	0.04	0.67	0.70	0.04	0.18	0.22	—	2,255	2,255	0.04	0.35	0.14	2,359
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.1	21.1	< 0.005	< 0.005	0.03	21.3
Vendor	0.01	0.01	0.27	0.09	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	256	256	< 0.005	0.04	0.26	268
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.49	3.49	< 0.005	< 0.005	< 0.005	3.53
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.3	42.3	< 0.005	0.01	0.04	44.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	2.73	4.19	0.01	0.10	—	0.10	0.09	—	0.09	—	639	639	0.03	0.01	—	641
Paving	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.50	0.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	106	106	< 0.005	< 0.005	—	106
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.06	0.04	0.87	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	196	196	< 0.005	0.01	0.50	198
Vendor	0.10	0.05	2.21	0.72	0.02	0.04	0.67	0.70	0.04	0.18	0.22	—	2,194	2,194	0.04	0.33	4.77	2,297
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.65	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	180	180	< 0.005	0.01	0.01	182
Vendor	0.10	0.05	2.30	0.74	0.02	0.04	0.67	0.70	0.04	0.18	0.22	—	2,196	2,196	0.04	0.33	0.12	2,295
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	77.1	77.1	< 0.005	< 0.005	0.09	78.1
Vendor	0.04	0.02	0.98	0.31	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	928	928	0.02	0.14	0.87	970
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.02	12.9
Vendor	0.01	< 0.005	0.18	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	154	154	< 0.005	0.02	0.14	161
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.35	2.29	10.6	0.01	0.08	—	0.08	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.35	2.29	10.6	0.01	0.08	—	0.08	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.15	0.97	4.48	0.01	0.04	—	0.04	0.03	—	0.03	—	639	639	0.03	0.01	—	641
Paving	—	0.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.18	0.82	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	< 0.005	< 0.005	—	106
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.87	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	196	196	< 0.005	0.01	0.50	198
Vendor	0.10	0.05	2.21	0.72	0.02	0.04	0.67	0.70	0.04	0.18	0.22	—	2,194	2,194	0.04	0.33	4.77	2,297
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.05	0.05	0.65	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	180	180	< 0.005	0.01	0.01	182
Vendor	0.10	0.05	2.30	0.74	0.02	0.04	0.67	0.70	0.04	0.18	0.22	—	2,196	2,196	0.04	0.33	0.12	2,295
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	77.1	77.1	< 0.005	< 0.005	0.09	78.1
Vendor	0.04	0.02	0.98	0.31	0.01	0.01	0.28	0.29	0.01	0.08	0.09	—	928	928	0.02	0.14	0.87	970
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.02	12.9
Vendor	0.01	< 0.005	0.18	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	154	154	< 0.005	0.02	0.14	161
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.27	2.12	2.97	< 0.005	0.03	—	0.03	0.03	—	0.03	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	86.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.33	0.27	2.12	2.97	< 0.005	0.03	—	0.03	0.03	—	0.03	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	86.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.62	0.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	104	104	< 0.005	< 0.005	—	104
Architectural Coatings	—	25.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.2	17.2	< 0.005	< 0.005	—	17.2
Architectural Coatings	—	4.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.73	0.59	11.4	0.00	0.00	2.57	2.57	0.00	0.60	0.60	—	2,562	2,562	0.03	0.09	6.61	2,597
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.70	0.61	0.68	8.53	0.00	0.00	2.57	2.57	0.00	0.60	0.60	—	2,357	2,357	0.03	0.09	0.17	2,386
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.20	2.63	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	696	696	0.01	0.03	0.83	705
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.48	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.14	117
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Architectural Coating (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.27	2.12	2.97	< 0.005	0.03	—	0.03	0.03	—	0.03	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	19.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.33	0.27	2.12	2.97	< 0.005	0.03	—	0.03	0.03	—	0.03	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	19.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.62	0.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	104	104	< 0.005	< 0.005	—	104
Architectural Coatings	—	5.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.2	17.2	< 0.005	< 0.005	—	17.2
Architectural Coatings	—	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.73	0.59	11.4	0.00	0.00	2.57	2.57	0.00	0.60	0.60	—	2,562	2,562	0.03	0.09	6.61	2,597
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.70	0.61	0.68	8.53	0.00	0.00	2.57	2.57	0.00	0.60	0.60	—	2,357	2,357	0.03	0.09	0.17	2,386
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.20	2.63	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	696	696	0.01	0.03	0.83	705
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.04	0.48	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.14	117
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Architectural Coating (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.26	2.09	2.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	86.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.32	0.26	2.09	2.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	86.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.51	0.72	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.1	87.1	< 0.005	< 0.005	—	87.4
Architectural Coatings	—	21.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
Architectural Coatings	—	3.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.70	0.61	0.50	10.6	0.00	0.00	2.57	2.57	0.00	0.60	0.60	—	2,519	2,519	0.03	0.09	5.87	2,553
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.67	0.58	0.59	8.04	0.00	0.00	2.57	2.57	0.00	0.60	0.60	—	2,318	2,318	0.03	0.09	0.15	2,346
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.15	2.07	0.00	0.00	0.62	0.62	0.00	0.14	0.14	—	574	574	0.01	0.02	0.62	582
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.38	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	95.0	95.0	< 0.005	< 0.005	0.10	96.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Architectural Coating (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.26	2.09	2.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	19.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.32	0.26	2.09	2.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	19.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.51	0.72	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.1	87.1	< 0.005	< 0.005	—	87.4
Architectural Coatings	—	4.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
Architectural Coatings	—	0.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.70	0.61	0.50	10.6	0.00	0.00	2.57	2.57	0.00	0.60	0.60	—	2,519	2,519	0.03	0.09	5.87	2,553
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.67	0.58	0.59	8.04	0.00	0.00	2.57	2.57	0.00	0.60	0.60	—	2,318	2,318	0.03	0.09	0.15	2,346
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.15	2.07	0.00	0.00	0.62	0.62	0.00	0.14	0.14	—	574	574	0.01	0.02	0.62	582
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.38	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	95.0	95.0	< 0.005	< 0.005	0.10	96.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	7/1/2026	9/1/2026	5.00	45.0	—
Grading	Grading	9/2/2026	6/2/2027	5.00	196	—
Building Construction	Building Construction	6/3/2027	11/3/2028	5.00	372	—
Paving	Paving	11/4/2028	8/4/2029	5.00	195	—
Architectural Coating	Architectural Coating	8/5/2029	5/5/2030	5.00	195	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Crawler Tractors	Diesel	Average	5.00	8.00	87.0	0.43
Site Preparation	Off-Highway Trucks	Diesel	Average	4.00	8.00	376	0.38
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	16.0	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Off-Highway Trucks	Diesel	Average	3.00	8.00	376	0.38

Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	6.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	6.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	5.00	8.00	87.0	0.43
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	376	0.38
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	16.0	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Grading	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	8.00	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	6.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	6.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	19.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	72.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	79.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	982	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	150	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	78.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT

Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	196	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	19.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	72.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	79.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	982	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	150	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	78.0	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	196	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	3,196,766	1,065,589	2,100,000	700,000	124,407

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	113	0.00	—
Grading	—	—	3,920	0.00	—
Paving	0.00	0.00	0.00	0.00	55.4

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction

Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Light Industry	0.00	0%
City Park	0.00	0%
Single Family Housing	7.81	0%
Apartments Low Rise	—	0%
Parking Lot	47.6	100%
Government (Civic Center)	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005
2028	0.00	532	0.03	< 0.005
2029	0.00	532	0.03	< 0.005
2030	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	28.1	annual days of extreme heat

Extreme Precipitation	3.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	29.1	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	99.1
AQ-PM	50.3
AQ-DPM	35.7
Drinking Water	55.1
Lead Risk Housing	1.83
Pesticides	31.6

Toxic Releases	45.3
Traffic	50.9
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	47.4
Haz Waste Facilities/Generators	79.2
Impaired Water Bodies	12.5
Solid Waste	52.9
Sensitive Population	—
Asthma	55.5
Cardio-vascular	84.1
Low Birth Weights	55.4
Socioeconomic Factor Indicators	—
Education	51.2
Housing	6.89
Linguistic	21.4
Poverty	14.5
Unemployment	9.72

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	72.12883357
Employed	95.58578211
Median HI	89.34941614
Education	—

Bachelor's or higher	68.75401001
High school enrollment	100
Preschool enrollment	38.32926986
Transportation	—
Auto Access	98.98626973
Active commuting	3.195175157
Social	—
2-parent households	82.43295265
Voting	49.26215835
Neighborhood	—
Alcohol availability	93.77646606
Park access	6.441678429
Retail density	5.338123957
Supermarket access	15.96304376
Tree canopy	5.954061337
Housing	—
Homeownership	95.7141024
Housing habitability	96.52252021
Low-inc homeowner severe housing cost burden	60.52867958
Low-inc renter severe housing cost burden	94.8671885
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	76.20941871
Arthritis	0.0
Asthma ER Admissions	51.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0

Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	61.7
Cognitively Disabled	96.9
Physically Disabled	80.2
Heart Attack ER Admissions	11.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	2.1
SLR Inundation Area	0.0
Children	1.2
Elderly	85.6
English Speaking	87.3
Foreign-born	32.8
Outdoor Workers	85.1
Climate Change Adaptive Capacity	—

Impervious Surface Cover	90.3
Traffic Density	52.9
Traffic Access	23.0
Other Indices	—
Hardship	24.0
Other Decision Support	—
2016 Voting	68.8

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	78.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Construction: Construction Phases	Construction schedule based on data provided by the Project applicant
Construction: Off-Road Equipment	All equipment assumed to operate 8 hours per day. Crawler tractors used in lieu of tractors/loaders/backhoes during site preparation and grading to account for fugitive dust.
Construction: Trips and VMT	Vendor trips assigned to site preparation, grading, building construction, and paving phases based on the duration of each phase.
Construction: Architectural Coatings	Rule 1113

15218 Mesa Verde Ph2 Construction Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2030) - Unmitigated

3.2. Site Preparation (2030) - Mitigated

3.3. Grading (2030) - Unmitigated

3.4. Grading (2030) - Mitigated

3.5. Grading (2031) - Unmitigated

3.6. Grading (2031) - Mitigated

3.7. Building Construction (2031) - Unmitigated

3.8. Building Construction (2031) - Mitigated

3.9. Building Construction (2032) - Unmitigated

3.10. Building Construction (2032) - Mitigated

3.11. Building Construction (2033) - Unmitigated

3.12. Building Construction (2033) - Mitigated

3.13. Paving (2033) - Unmitigated

3.14. Paving (2033) - Mitigated

3.15. Architectural Coating (2033) - Unmitigated

3.16. Architectural Coating (2033) - Mitigated

3.17. Architectural Coating (2034) - Unmitigated

3.18. Architectural Coating (2034) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	15218 Mesa Verde Ph2 Construction
Construction Start Date	5/6/2030
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	25.8
Location	33.99697093575283, -117.07456951477454
County	Riverside-South Coast
City	Calimesa
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5624
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Light Industry	700	1000sqft	16.1	700,000	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	700	1000sqft	16.1	700,000	0.00	—	—	—
Strip Mall	50.0	1000sqft	1.15	50,000	0.00	—	—	—
Single Family Housing	468	Dwelling Unit	152	912,600	5,481,617	—	1,512	—
Apartments Low Rise	81.0	Dwelling Unit	5.06	85,860	0.00	—	262	—
City Park	16.2	Acre	16.2	0.00	0.00	0.00	—	—
Parking Lot	50.6	Acre	50.6	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.5	74.8	99.9	120	0.36	4.24	12.4	13.6	3.90	2.98	6.48	—	39,469	39,469	1.54	0.83	30.6	39,674
Mit.	4.06	18.1	20.5	193	0.36	0.74	12.4	12.7	0.74	2.98	3.32	—	39,469	39,469	1.54	0.83	30.6	39,674
% Reduced	75%	76%	79%	-60%	—	83%	—	7%	81%	—	49%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.5	74.8	100.0	120	0.36	4.24	12.4	13.6	3.90	2.98	6.48	—	39,402	39,402	1.54	1.17	0.79	39,601
Mit.	3.92	18.1	20.6	192	0.36	0.74	12.4	12.7	0.74	2.98	3.32	—	39,402	39,402	1.54	1.17	0.79	39,601
% Reduced	76%	76%	79%	-61%	—	83%	—	7%	81%	—	49%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.57	35.7	39.6	50.3	0.14	1.68	8.75	9.23	1.55	2.10	2.67	—	15,703	15,703	0.61	0.84	8.71	15,958
Mit.	2.80	8.62	10.4	76.6	0.14	0.29	8.75	8.94	0.29	2.10	2.26	—	15,703	15,703	0.61	0.84	8.71	15,958
% Reduced	57%	76%	74%	-52%	—	83%	—	3%	81%	—	16%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.20	6.51	7.23	9.19	0.03	0.31	1.60	1.68	0.28	0.38	0.49	—	2,600	2,600	0.10	0.14	1.44	2,642
Mit.	0.51	1.57	1.89	14.0	0.03	0.05	1.60	1.63	0.05	0.38	0.41	—	2,600	2,600	0.10	0.14	1.44	2,642
% Reduced	57%	76%	74%	-52%	—	83%	—	3%	81%	—	16%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	16.5	13.8	99.9	120	0.36	4.24	9.40	13.6	3.90	2.58	6.48	—	39,469	39,469	1.54	0.54	4.67	39,674
2031	5.57	4.69	25.8	74.4	0.10	0.65	12.4	13.1	0.56	2.98	3.54	—	21,028	21,028	0.41	0.83	30.6	21,316
2032	5.36	4.49	24.7	71.7	0.10	0.60	12.4	13.0	0.52	2.98	3.50	—	20,714	20,714	0.41	0.83	26.8	20,998
2033	4.88	4.36	24.1	69.3	0.10	0.51	12.4	12.9	0.48	2.98	3.45	—	20,441	20,441	0.41	0.79	23.3	20,709

2034	0.57	74.8	1.29	8.43	< 0.005	0.01	2.17	2.18	0.01	0.51	0.52	—	2,196	2,196	0.03	0.01	2.98	2,203
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	16.5	13.8	100.0	120	0.36	4.24	9.40	13.6	3.90	2.58	6.48	—	39,402	39,402	1.54	0.54	0.12	39,601
2031	16.2	13.6	94.2	119	0.36	4.12	12.4	13.5	3.78	2.98	6.36	—	39,346	39,346	1.54	1.17	0.79	39,543
2032	5.26	4.39	25.3	62.0	0.10	0.60	12.4	13.0	0.52	2.98	3.50	—	19,896	19,896	0.43	0.83	0.69	20,154
2033	4.78	74.8	24.3	60.3	0.10	0.51	12.4	12.9	0.48	2.98	3.45	—	19,634	19,634	0.43	0.79	0.60	19,880
2034	0.55	74.8	1.36	6.73	< 0.005	0.01	2.17	2.18	0.01	0.51	0.52	—	2,036	2,036	0.03	0.01	0.08	2,040
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	6.57	5.51	39.6	47.7	0.14	1.68	3.66	5.34	1.55	0.99	2.54	—	15,675	15,675	0.61	0.22	0.82	15,755
2031	4.56	3.81	23.2	50.3	0.09	0.68	8.55	9.23	0.60	2.07	2.67	—	15,703	15,703	0.37	0.79	8.71	15,958
2032	3.77	3.15	18.1	45.6	0.07	0.43	8.75	9.19	0.37	2.10	2.47	—	14,334	14,334	0.31	0.84	8.28	14,599
2033	1.51	3.28	9.13	19.8	0.03	0.21	3.25	3.46	0.20	0.79	0.98	—	6,110	6,110	0.14	0.28	2.84	6,201
2034	0.26	35.7	0.65	3.35	< 0.005	< 0.005	1.02	1.02	< 0.005	0.24	0.24	—	983	983	0.01	0.01	0.62	986
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.20	1.01	7.23	8.71	0.03	0.31	0.67	0.98	0.28	0.18	0.46	—	2,595	2,595	0.10	0.04	0.14	2,608
2031	0.83	0.69	4.23	9.19	0.02	0.12	1.56	1.68	0.11	0.38	0.49	—	2,600	2,600	0.06	0.13	1.44	2,642
2032	0.69	0.57	3.31	8.32	0.01	0.08	1.60	1.68	0.07	0.38	0.45	—	2,373	2,373	0.05	0.14	1.37	2,417
2033	0.28	0.60	1.67	3.61	0.01	0.04	0.59	0.63	0.04	0.14	0.18	—	1,012	1,012	0.02	0.05	0.47	1,027
2034	0.05	6.51	0.12	0.61	< 0.005	< 0.005	0.19	0.19	< 0.005	0.04	0.04	—	163	163	< 0.005	< 0.005	0.10	163

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2030	3.91	3.83	20.5	193	0.36	0.74	9.40	10.1	0.74	2.58	3.32	—	39,469	39,469	1.54	0.54	4.67	39,674
2031	4.06	3.50	13.3	79.3	0.10	0.27	12.4	12.7	0.22	2.98	3.20	—	21,028	21,028	0.41	0.83	30.6	21,316
2032	3.91	3.34	12.7	76.6	0.10	0.26	12.4	12.7	0.21	2.98	3.19	—	20,714	20,714	0.41	0.83	26.8	20,998
2033	3.47	3.25	12.5	74.3	0.10	0.22	12.4	12.6	0.21	2.98	3.19	—	20,441	20,441	0.41	0.79	23.3	20,709
2034	0.57	18.1	1.29	8.43	< 0.005	0.01	2.17	2.18	0.01	0.51	0.52	—	2,196	2,196	0.03	0.01	2.98	2,203
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	3.90	3.81	20.6	192	0.36	0.74	9.40	10.1	0.74	2.58	3.32	—	39,402	39,402	1.54	0.54	0.12	39,601
2031	3.92	3.80	20.5	192	0.36	0.74	12.4	12.7	0.73	2.98	3.31	—	39,346	39,346	1.54	1.17	0.79	39,543
2032	3.80	3.24	13.3	67.0	0.10	0.26	12.4	12.7	0.21	2.98	3.19	—	19,896	19,896	0.43	0.83	0.69	20,154
2033	3.37	18.1	12.8	65.3	0.10	0.22	12.4	12.6	0.21	2.98	3.19	—	19,634	19,634	0.43	0.79	0.60	19,880
2034	0.55	18.0	1.36	6.73	< 0.005	0.01	2.17	2.18	0.01	0.51	0.52	—	2,036	2,036	0.03	0.01	0.08	2,040
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	1.55	1.52	8.19	76.6	0.14	0.29	3.66	3.95	0.29	0.99	1.29	—	15,675	15,675	0.61	0.22	0.82	15,755
2031	2.80	2.42	10.4	58.1	0.09	0.22	8.55	8.77	0.19	2.07	2.26	—	15,703	15,703	0.37	0.79	8.71	15,958
2032	2.73	2.33	9.55	49.2	0.07	0.19	8.75	8.94	0.15	2.10	2.25	—	14,334	14,334	0.31	0.84	8.28	14,599
2033	1.01	1.67	4.71	21.3	0.03	0.09	3.25	3.34	0.09	0.79	0.87	—	6,110	6,110	0.14	0.28	2.84	6,201
2034	0.26	8.62	0.65	3.35	< 0.005	< 0.005	1.02	1.02	< 0.005	0.24	0.24	—	983	983	0.01	0.01	0.62	986
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2030	0.28	0.28	1.50	14.0	0.03	0.05	0.67	0.72	0.05	0.18	0.23	—	2,595	2,595	0.10	0.04	0.14	2,608
2031	0.51	0.44	1.89	10.6	0.02	0.04	1.56	1.60	0.03	0.38	0.41	—	2,600	2,600	0.06	0.13	1.44	2,642
2032	0.50	0.42	1.74	8.97	0.01	0.03	1.60	1.63	0.03	0.38	0.41	—	2,373	2,373	0.05	0.14	1.37	2,417
2033	0.19	0.31	0.86	3.89	0.01	0.02	0.59	0.61	0.02	0.14	0.16	—	1,012	1,012	0.02	0.05	0.47	1,027
2034	0.05	1.57	0.12	0.61	< 0.005	< 0.005	0.19	0.19	< 0.005	0.04	0.04	—	163	163	< 0.005	< 0.005	0.10	163

3. Construction Emissions Details

3.1. Site Preparation (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.23	2.71	17.1	23.7	0.07	0.80	—	0.80	0.73	—	0.73	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	1.60	2.20	0.01	0.07	—	0.07	0.07	—	0.07	—	660	660	0.03	0.01	—	662
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.29	0.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	< 0.005	< 0.005	—	110

Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	1.21	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	289	289	< 0.005	0.01	0.67	293
Vendor	0.01	0.01	0.30	0.10	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	300	300	0.01	0.05	0.59	315
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.0	25.0	< 0.005	< 0.005	0.03	25.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.02	29.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.15	4.15	< 0.005	< 0.005	< 0.005	4.20
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.63	4.63	< 0.005	< 0.005	< 0.005	4.85
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.67	3.48	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.32	3.58	0.01	0.01	—	0.01	0.01	—	0.01	—	660	660	0.03	0.01	—	662
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	109	109	< 0.005	< 0.005	—	110
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	1.21	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	289	289	< 0.005	0.01	0.67	293
Vendor	0.01	0.01	0.30	0.10	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	300	300	0.01	0.05	0.59	315
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	25.0	25.0	< 0.005	< 0.005	0.03	25.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.02	29.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.15	4.15	< 0.005	< 0.005	< 0.005	4.20
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.63	4.63	< 0.005	< 0.005	< 0.005	4.85
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	16.2	13.6	98.4	116	0.34	4.22	—	4.22	3.88	—	3.88	—	37,266	37,266	1.51	0.30	—	37,394

Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	16.2	13.6	98.4	116	0.34	4.22	—	4.22	3.88	—	3.88	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.15	5.17	37.4	44.2	0.13	1.60	—	1.60	1.47	—	1.47	—	14,148	14,148	0.57	0.11	—	14,196
Dust From Material Movement	—	—	—	—	—	—	3.07	3.07	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	6.82	8.06	0.02	0.29	—	0.29	0.27	—	0.27	—	2,342	2,342	0.10	0.02	—	2,350
Dust From Material Movement	—	—	—	—	—	—	0.56	0.56	—	0.16	0.16	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.17	3.63	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	866	866	0.01	0.03	2.02	878
Vendor	0.07	0.03	1.33	0.44	0.01	0.02	0.42	0.44	0.02	0.12	0.14	—	1,338	1,338	0.02	0.21	2.65	1,402
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.20	2.76	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	797	797	0.01	0.03	0.05	807
Vendor	0.06	0.03	1.40	0.45	0.01	0.02	0.42	0.44	0.02	0.12	0.14	—	1,339	1,339	0.02	0.21	0.07	1,401
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.07	0.08	1.10	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	306	306	< 0.005	0.01	0.33	310
Vendor	0.02	0.01	0.53	0.17	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	508	508	0.01	0.08	0.43	532
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.20	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.7	50.7	< 0.005	< 0.005	0.05	51.4
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.1	84.1	< 0.005	0.01	0.07	88.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.60	3.59	19.0	189	0.34	0.72	—	0.72	0.72	—	0.72	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.60	3.59	19.0	189	0.34	0.72	—	0.72	0.72	—	0.72	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.37	1.36	7.23	71.6	0.13	0.27	—	0.27	0.27	—	0.27	—	14,148	14,148	0.57	0.11	—	14,196
Dust From Material Movement	—	—	—	—	—	—	3.07	3.07	—	0.86	0.86	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.25	1.32	13.1	0.02	0.05	—	0.05	0.05	—	0.05	—	2,342	2,342	0.10	0.02	—	2,350
Dust From Material Movement	—	—	—	—	—	—	0.56	0.56	—	0.16	0.16	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.17	3.63	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	866	866	0.01	0.03	2.02	878
Vendor	0.07	0.03	1.33	0.44	0.01	0.02	0.42	0.44	0.02	0.12	0.14	—	1,338	1,338	0.02	0.21	2.65	1,402
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.20	0.20	2.76	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	797	797	0.01	0.03	0.05	807
Vendor	0.06	0.03	1.40	0.45	0.01	0.02	0.42	0.44	0.02	0.12	0.14	—	1,339	1,339	0.02	0.21	0.07	1,401
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.07	0.08	1.10	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	306	306	< 0.005	0.01	0.33	310
Vendor	0.02	0.01	0.53	0.17	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	508	508	0.01	0.08	0.43	532
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.20	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.7	50.7	< 0.005	< 0.005	0.05	51.4
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	84.1	84.1	< 0.005	0.01	0.07	88.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	15.9	13.4	92.7	115	0.34	4.10	—	4.10	3.77	—	3.77	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	0.84	5.81	7.23	0.02	0.26	—	0.26	0.24	—	0.24	—	2,334	2,334	0.09	0.02	—	2,342
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.06	1.32	< 0.005	0.05	—	0.05	0.04	—	0.04	—	386	386	0.02	< 0.005	—	388
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.17	2.57	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	784	784	0.01	0.03	0.05	794
Vendor	0.05	0.03	1.33	0.44	0.01	0.02	0.42	0.44	0.01	0.12	0.13	—	1,296	1,296	0.02	0.19	0.06	1,355
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.7	49.7	< 0.005	< 0.005	0.05	50.4
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	81.1	81.1	< 0.005	0.01	0.06	84.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.23	8.23	< 0.005	< 0.005	0.01	8.34
Vendor	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.01	14.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.60	3.58	19.0	189	0.34	0.72	—	0.72	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394

Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.22	1.19	11.8	0.02	0.04	—	0.04	0.04	—	0.04	—	2,334	2,334	0.09	0.02	—	2,342
Dust From Material Movement	—	—	—	—	—	—	0.51	0.51	—	0.14	0.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.22	2.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	386	386	0.02	< 0.005	—	388
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.19	0.17	2.57	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	784	784	0.01	0.03	0.05	794
Vendor	0.05	0.03	1.33	0.44	0.01	0.02	0.42	0.44	0.01	0.12	0.13	—	1,296	1,296	0.02	0.19	0.06	1,355
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.7	49.7	< 0.005	< 0.005	0.05	50.4
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	81.1	81.1	< 0.005	0.01	0.06	84.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.23	8.23	< 0.005	< 0.005	0.01	8.34
Vendor	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.01	14.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.55	2.13	19.0	30.8	0.06	0.57	—	0.57	0.52	—	0.52	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.55	2.13	19.0	30.8	0.06	0.57	—	0.57	0.52	—	0.52	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.66	1.39	12.4	20.1	0.04	0.37	—	0.37	0.34	—	0.34	—	3,715	3,715	0.15	0.03	—	3,728
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	2.26	3.67	0.01	0.07	—	0.07	0.06	—	0.06	—	615	615	0.02	< 0.005	—	617
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.82	2.45	2.12	42.0	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	10,490	10,490	0.09	0.05	22.0	10,531
Vendor	0.21	0.11	4.76	1.61	0.04	0.08	1.57	1.65	0.04	0.43	0.47	—	4,836	4,836	0.09	0.73	8.59	5,064
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.69	2.30	2.13	31.7	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	9,655	9,655	0.11	0.39	0.57	9,775
Vendor	0.20	0.11	4.98	1.65	0.04	0.08	1.57	1.65	0.04	0.43	0.47	—	4,840	4,840	0.09	0.73	0.22	5,060
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.75	1.50	1.62	21.8	0.00	0.00	6.96	6.96	0.00	1.63	1.63	—	6,370	6,370	0.07	0.26	6.19	6,455
Vendor	0.13	0.07	3.26	1.06	0.03	0.05	1.01	1.06	0.03	0.28	0.31	—	3,153	3,153	0.06	0.47	2.41	3,298
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.27	0.30	3.97	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,055	1,055	0.01	0.04	1.02	1,069
Vendor	0.02	0.01	0.60	0.19	< 0.005	0.01	0.18	0.19	< 0.005	0.05	0.06	—	522	522	0.01	0.08	0.40	546
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.94	6.42	35.7	0.06	0.18	—	0.18	0.18	—	0.18	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.94	6.42	35.7	0.06	0.18	—	0.18	0.18	—	0.18	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.61	4.19	23.3	0.04	0.12	—	0.12	0.12	—	0.12	—	3,715	3,715	0.15	0.03	—	3,728
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.11	0.76	4.24	0.01	0.02	—	0.02	0.02	—	0.02	—	615	615	0.02	< 0.005	—	617
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.82	2.45	2.12	42.0	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	10,490	10,490	0.09	0.05	22.0	10,531
Vendor	0.21	0.11	4.76	1.61	0.04	0.08	1.57	1.65	0.04	0.43	0.47	—	4,836	4,836	0.09	0.73	8.59	5,064
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.69	2.30	2.13	31.7	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	9,655	9,655	0.11	0.39	0.57	9,775
Vendor	0.20	0.11	4.98	1.65	0.04	0.08	1.57	1.65	0.04	0.43	0.47	—	4,840	4,840	0.09	0.73	0.22	5,060
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.75	1.50	1.62	21.8	0.00	0.00	6.96	6.96	0.00	1.63	1.63	—	6,370	6,370	0.07	0.26	6.19	6,455
Vendor	0.13	0.07	3.26	1.06	0.03	0.05	1.01	1.06	0.03	0.28	0.31	—	3,153	3,153	0.06	0.47	2.41	3,298
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.27	0.30	3.97	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,055	1,055	0.01	0.04	1.02	1,069
Vendor	0.02	0.01	0.60	0.19	< 0.005	0.01	0.18	0.19	< 0.005	0.05	0.06	—	522	522	0.01	0.08	0.40	546
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.48	2.08	18.4	30.7	0.06	0.52	—	0.52	0.48	—	0.48	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.48	2.08	18.4	30.7	0.06	0.52	—	0.52	0.48	—	0.48	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.78	1.49	13.2	22.0	0.04	0.37	—	0.37	0.34	—	0.34	—	4,084	4,084	0.17	0.03	—	4,098
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	2.40	4.01	0.01	0.07	—	0.07	0.06	—	0.06	—	676	676	0.03	0.01	—	678
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.67	2.30	1.76	39.4	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	10,337	10,337	0.09	0.05	19.4	10,375
Vendor	0.21	0.11	4.57	1.61	0.04	0.08	1.57	1.65	0.04	0.43	0.47	—	4,676	4,676	0.09	0.73	7.36	4,902
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.58	2.21	2.12	29.6	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	9,514	9,514	0.11	0.05	0.50	9,534

Vendor	0.20	0.11	4.83	1.65	0.04	0.08	1.57	1.65	0.04	0.43	0.47	—	4,680	4,680	0.09	0.73	0.19	4,900
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.85	1.58	1.52	22.5	0.00	0.00	7.65	7.65	0.00	1.79	1.79	—	6,900	6,900	0.08	0.28	6.00	6,992
Vendor	0.15	0.08	3.45	1.17	0.03	0.06	1.11	1.16	0.03	0.31	0.34	—	3,350	3,350	0.06	0.52	2.28	3,510
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.29	0.28	4.10	0.00	0.00	1.40	1.40	0.00	0.33	0.33	—	1,142	1,142	0.01	0.05	0.99	1,158
Vendor	0.03	0.01	0.63	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	555	555	0.01	0.09	0.38	581
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.02	0.93	6.40	35.7	0.06	0.18	—	0.18	0.17	—	0.17	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.02	0.93	6.40	35.7	0.06	0.18	—	0.18	0.17	—	0.17	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	0.67	4.58	25.5	0.04	0.13	—	0.13	0.12	—	0.12	—	4,084	4,084	0.17	0.03	—	4,098
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.12	0.84	4.66	0.01	0.02	—	0.02	0.02	—	0.02	—	676	676	0.03	0.01	—	678
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.67	2.30	1.76	39.4	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	10,337	10,337	0.09	0.05	19.4	10,375
Vendor	0.21	0.11	4.57	1.61	0.04	0.08	1.57	1.65	0.04	0.43	0.47	—	4,676	4,676	0.09	0.73	7.36	4,902
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.58	2.21	2.12	29.6	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	9,514	9,514	0.11	0.05	0.50	9,534
Vendor	0.20	0.11	4.83	1.65	0.04	0.08	1.57	1.65	0.04	0.43	0.47	—	4,680	4,680	0.09	0.73	0.19	4,900
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.85	1.58	1.52	22.5	0.00	0.00	7.65	7.65	0.00	1.79	1.79	—	6,900	6,900	0.08	0.28	6.00	6,992
Vendor	0.15	0.08	3.45	1.17	0.03	0.06	1.11	1.16	0.03	0.31	0.34	—	3,350	3,350	0.06	0.52	2.28	3,510
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.29	0.28	4.10	0.00	0.00	1.40	1.40	0.00	0.33	0.33	—	1,142	1,142	0.01	0.05	0.99	1,158

Vendor	0.03	0.01	0.63	0.21	0.01	0.01	0.20	0.21	0.01	0.06	0.06	—	555	555	0.01	0.09	0.38	581
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	2.04	17.9	30.7	0.06	0.47	—	0.47	0.44	—	0.44	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.43	2.04	17.9	30.7	0.06	0.47	—	0.47	0.44	—	0.44	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	4.28	7.32	0.01	0.11	—	0.11	0.10	—	0.10	—	1,361	1,361	0.06	0.01	—	1,366
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.78	1.34	< 0.005	0.02	—	0.02	0.02	—	0.02	—	225	225	0.01	< 0.005	—	226
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.24	2.21	1.74	37.1	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	10,214	10,214	0.09	0.05	17.1	10,250
Vendor	0.21	0.11	4.43	1.57	0.04	0.04	1.57	1.61	0.04	0.43	0.47	—	4,526	4,526	0.09	0.69	6.24	4,739
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.15	2.12	1.76	28.0	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	9,402	9,402	0.11	0.05	0.44	9,422
Vendor	0.20	0.11	4.65	1.61	0.04	0.04	1.57	1.61	0.04	0.43	0.47	—	4,530	4,530	0.09	0.69	0.16	4,737
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.50	0.42	7.01	0.00	0.00	2.55	2.55	0.00	0.60	0.60	—	2,273	2,273	0.03	0.01	1.76	2,279
Vendor	0.05	0.03	1.11	0.38	0.01	0.01	0.37	0.38	0.01	0.10	0.11	—	1,081	1,081	0.02	0.16	0.64	1,131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.08	1.28	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	376	376	< 0.005	< 0.005	0.29	377
Vendor	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	179	179	< 0.005	0.03	0.11	187
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.02	0.93	6.38	35.7	0.06	0.18	—	0.18	0.17	—	0.17	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.02	0.93	6.38	35.7	0.06	0.18	—	0.18	0.17	—	0.17	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.22	1.52	8.52	0.01	0.04	—	0.04	0.04	—	0.04	—	1,361	1,361	0.06	0.01	—	1,366
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.28	1.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	225	225	0.01	< 0.005	—	226
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.24	2.21	1.74	37.1	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	10,214	10,214	0.09	0.05	17.1	10,250
Vendor	0.21	0.11	4.43	1.57	0.04	0.04	1.57	1.61	0.04	0.43	0.47	—	4,526	4,526	0.09	0.69	6.24	4,739
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.15	2.12	1.76	28.0	0.00	0.00	10.9	10.9	0.00	2.55	2.55	—	9,402	9,402	0.11	0.05	0.44	9,422

Vendor	0.20	0.11	4.65	1.61	0.04	0.04	1.57	1.61	0.04	0.43	0.47	—	4,530	4,530	0.09	0.69	0.16	4,737
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.50	0.42	7.01	0.00	0.00	2.55	2.55	0.00	0.60	0.60	—	2,273	2,273	0.03	0.01	1.76	2,279
Vendor	0.05	0.03	1.11	0.38	0.01	0.01	0.37	0.38	0.01	0.10	0.11	—	1,081	1,081	0.02	0.16	0.64	1,131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.08	1.28	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	376	376	< 0.005	< 0.005	0.29	377
Vendor	0.01	< 0.005	0.20	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	179	179	< 0.005	0.03	0.11	187
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.70	0.59	5.91	9.84	0.01	0.18	—	0.18	0.17	—	0.17	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.70	0.59	5.91	9.84	0.01	0.18	—	0.18	0.17	—	0.17	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	2.69	4.47	0.01	0.08	—	0.08	0.08	—	0.08	—	687	687	0.03	0.01	—	689
Paving	—	0.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.49	0.82	< 0.005	0.02	—	0.02	0.01	—	0.01	—	114	114	< 0.005	< 0.005	—	114
Paving	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.67	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	184	184	< 0.005	< 0.005	0.31	185
Vendor	0.06	0.03	1.26	0.45	0.01	0.01	0.44	0.46	0.01	0.12	0.13	—	1,286	1,286	0.02	0.20	1.77	1,347
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.51	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.01	170
Vendor	0.06	0.03	1.32	0.46	0.01	0.01	0.44	0.46	0.01	0.12	0.13	—	1,287	1,287	0.02	0.20	0.05	1,346
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.24	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	78.2	78.2	< 0.005	< 0.005	0.06	78.4
Vendor	0.03	0.01	0.60	0.21	0.01	0.01	0.20	0.20	0.01	0.06	0.06	—	585	585	0.01	0.09	0.35	612

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.01	13.0
Vendor	< 0.005	< 0.005	0.11	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	96.9	96.9	< 0.005	0.01	0.06	101
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.31	2.24	10.5	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.31	2.24	10.5	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.80	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.02	4.79	0.01	0.03	—	0.03	0.03	—	0.03	—	687	687	0.03	0.01	—	689
Paving	—	0.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.19	0.87	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	< 0.005	< 0.005	—	114
Paving	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.67	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	184	184	< 0.005	< 0.005	0.31	185
Vendor	0.06	0.03	1.26	0.45	0.01	0.01	0.44	0.46	0.01	0.12	0.13	—	1,286	1,286	0.02	0.20	1.77	1,347
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.51	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.01	170
Vendor	0.06	0.03	1.32	0.46	0.01	0.01	0.44	0.46	0.01	0.12	0.13	—	1,287	1,287	0.02	0.20	0.05	1,346
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.24	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	78.2	78.2	< 0.005	< 0.005	0.06	78.4
Vendor	0.03	0.01	0.60	0.21	0.01	0.01	0.20	0.20	0.01	0.06	0.06	—	585	585	0.01	0.09	0.35	612
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.01	13.0
Vendor	< 0.005	< 0.005	0.11	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	96.9	96.9	< 0.005	0.01	0.06	101
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.02	1.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	74.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.83	3.83	< 0.005	< 0.005	—	3.85
Architectural Coatings	—	1.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.63	0.63	< 0.005	< 0.005	—	0.64
Architectural Coatings	—	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.42	0.35	5.60	0.00	0.00	2.17	2.17	0.00	0.51	0.51	—	1,880	1,880	0.02	0.01	0.09	1,884
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	41.0	41.0	< 0.005	< 0.005	0.03	41.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.79	6.79	< 0.005	< 0.005	0.01	6.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Architectural Coating (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.02	1.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	17.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.83	3.83	< 0.005	< 0.005	—	3.85
Architectural Coatings	—	0.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.63	0.63	< 0.005	< 0.005	—	0.64
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.42	0.35	5.60	0.00	0.00	2.17	2.17	0.00	0.51	0.51	—	1,880	1,880	0.02	0.01	0.09	1,884

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	41.0	41.0	< 0.005	< 0.005	0.03	41.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.79	6.79	< 0.005	< 0.005	0.01	6.80
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Architectural Coating (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.01	1.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	74.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.01	1.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179

Architect Coatings	—	74.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.48	0.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	85.0	85.0	< 0.005	< 0.005	—	85.3
Architectural Coatings	—	35.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.1	14.1	< 0.005	< 0.005	—	14.1
Architectural Coatings	—	6.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.42	0.28	6.97	0.00	0.00	2.17	2.17	0.00	0.51	0.51	—	2,018	2,018	0.02	0.01	2.98	2,025
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.40	0.35	5.27	0.00	0.00	2.17	2.17	0.00	0.51	0.51	—	1,858	1,858	0.02	0.01	0.08	1,862
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.17	2.65	0.00	0.00	1.02	1.02	0.00	0.24	0.24	—	898	898	0.01	0.01	0.62	901
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.48	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	149	149	< 0.005	< 0.005	0.10	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Architectural Coating (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.01	1.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	17.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.01	1.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179

Architectural	—	17.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.48	0.70	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	85.0	85.0	< 0.005	< 0.005	—	85.3
Architectural Coatings	—	8.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.1	14.1	< 0.005	< 0.005	—	14.1
Architectural Coatings	—	1.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.42	0.28	6.97	0.00	0.00	2.17	2.17	0.00	0.51	0.51	—	2,018	2,018	0.02	0.01	2.98	2,025
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.40	0.35	5.27	0.00	0.00	2.17	2.17	0.00	0.51	0.51	—	1,858	1,858	0.02	0.01	0.08	1,862
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.17	2.65	0.00	0.00	1.02	1.02	0.00	0.24	0.24	—	898	898	0.01	0.01	0.62	901
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.48	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	149	149	< 0.005	< 0.005	0.10	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/6/2030	6/20/2030	5.00	34.0	—
Grading	Grading	6/21/2030	2/1/2031	5.00	161	—
Building Construction	Building Construction	2/2/2031	5/2/2033	5.00	586	—
Paving	Paving	5/3/2033	12/20/2033	5.00	166	—
Architectural Coating	Architectural Coating	12/21/2033	9/1/2034	5.00	183	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Crawler Tractors	Diesel	Average	5.00	8.00	87.0	0.43
Site Preparation	Off-Highway Trucks	Diesel	Average	4.00	8.00	376	0.38
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	14.0	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Off-Highway Trucks	Diesel	Average	4.00	8.00	376	0.38
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	7.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	7.00	8.00	84.0	0.37

Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	5.00	8.00	87.0	0.43
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	376	0.38
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	14.0	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Grading	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	7.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	7.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	11.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	67.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	49.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	831	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	183	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	52.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	166	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT

Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	11.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	67.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	49.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	831	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	183	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	52.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	166	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	2,021,882	673,961	2,175,000	725,000	132,196

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	85.0	0.00	—
Grading	—	—	2,898	0.00	—
Paving	0.00	0.00	0.00	0.00	55.7

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Light Industry	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Strip Mall	0.00	0%
Single Family Housing	5.16	0%
Apartments Low Rise	—	0%
City Park	0.00	0%
Parking Lot	50.6	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2030	0.00	532	0.03	< 0.005
2031	0.00	532	0.03	< 0.005
2032	0.00	532	0.03	< 0.005
2033	0.00	532	0.03	< 0.005
2034	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	28.1	annual days of extreme heat
Extreme Precipitation	3.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	29.1	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2

Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	99.1
AQ-PM	50.3
AQ-DPM	35.7
Drinking Water	55.1
Lead Risk Housing	1.83
Pesticides	31.6
Toxic Releases	45.3
Traffic	50.9
Effect Indicators	—
CleanUp Sites	0.00

Groundwater	47.4
Haz Waste Facilities/Generators	79.2
Impaired Water Bodies	12.5
Solid Waste	52.9
Sensitive Population	—
Asthma	55.5
Cardio-vascular	84.1
Low Birth Weights	55.4
Socioeconomic Factor Indicators	—
Education	51.2
Housing	6.89
Linguistic	21.4
Poverty	14.5
Unemployment	9.72

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	72.12883357
Employed	95.58578211
Median HI	89.34941614
Education	—
Bachelor's or higher	68.75401001
High school enrollment	100
Preschool enrollment	38.32926986
Transportation	—

Auto Access	98.98626973
Active commuting	3.195175157
Social	—
2-parent households	82.43295265
Voting	49.26215835
Neighborhood	—
Alcohol availability	93.77646606
Park access	6.441678429
Retail density	5.338123957
Supermarket access	15.96304376
Tree canopy	5.954061337
Housing	—
Homeownership	95.7141024
Housing habitability	96.52252021
Low-inc homeowner severe housing cost burden	60.52867958
Low-inc renter severe housing cost burden	94.8671885
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	76.20941871
Arthritis	0.0
Asthma ER Admissions	51.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0

Life Expectancy at Birth	61.7
Cognitively Disabled	96.9
Physically Disabled	80.2
Heart Attack ER Admissions	11.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	2.1
SLR Inundation Area	0.0
Children	1.2
Elderly	85.6
English Speaking	87.3
Foreign-born	32.8
Outdoor Workers	85.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	90.3
Traffic Density	52.9
Traffic Access	23.0
Other Indices	—

Hardship	24.0
Other Decision Support	—
2016 Voting	68.8

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	78.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction schedule adjusted based on data from the Project team.
Construction: Off-Road Equipment	All equipment will operate 8 hours per day. Crawler tractors assumed in lieu of tractors/loaders/backhoes during site preparation and grading in order to account for fugitive dust.

Construction: Trips and VMT	Vendor trips assigned to site preparation, grading, building construction, and paving based on the duration of each phase.
Construction: Architectural Coatings	Rule 1113

15218 Mesa Verde Ph3 Construction Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2033) - Unmitigated

3.2. Site Preparation (2033) - Mitigated

3.3. Grading (2033) - Unmitigated

3.4. Grading (2033) - Mitigated

3.5. Grading (2034) - Unmitigated

3.6. Grading (2034) - Mitigated

3.7. Grading (2035) - Unmitigated

3.8. Grading (2035) - Mitigated

3.9. Building Construction (2035) - Unmitigated

3.10. Building Construction (2035) - Mitigated

3.11. Building Construction (2036) - Unmitigated

3.12. Building Construction (2036) - Mitigated

3.13. Building Construction (2037) - Unmitigated

3.14. Building Construction (2037) - Mitigated

3.15. Building Construction (2038) - Unmitigated

3.16. Building Construction (2038) - Mitigated

3.17. Paving (2037) - Unmitigated

3.18. Paving (2037) - Mitigated

3.19. Paving (2038) - Unmitigated

3.20. Paving (2038) - Mitigated

3.21. Architectural Coating (2037) - Unmitigated

3.22. Architectural Coating (2037) - Mitigated

3.23. Architectural Coating (2038) - Unmitigated

3.24. Architectural Coating (2038) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	15218 Mesa Verde Ph3 Construction
Construction Start Date	5/1/2033
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	25.8
Location	33.99706484769354, -117.07430025959425
County	Riverside-South Coast
City	Calimesa
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5624
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Light Industry	700	1000sqft	16.1	700,000	0.00	—	—	—

Unrefrigerated Warehouse-No Rail	700	1000sqft	16.1	700,000	0.00	—	—	—
Single Family Housing	447	Dwelling Unit	145	871,650	5,235,647	—	1,444	—
Apartments Low Rise	81.0	Dwelling Unit	5.06	85,860	0.00	—	262	—
Strip Mall	250	1000sqft	5.74	250,000	0.00	—	—	—
City Park	8.90	Acre	8.90	0.00	0.00	0.00	—	—
Parking Lot	12.8	Acre	12.8	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.0	39.4	79.8	115	0.36	3.29	16.3	17.0	3.03	3.91	5.64	—	39,544	39,544	1.55	0.96	18.0	39,745
Mit.	4.81	11.5	20.6	192	0.36	0.72	16.3	16.6	0.72	3.91	4.27	—	39,544	39,544	1.55	0.96	18.0	39,745
% Reduced	68%	71%	74%	-68%	—	78%	—	2%	76%	—	24%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.4	39.3	84.4	115	0.36	3.60	16.3	17.0	3.31	3.91	5.92	—	39,540	39,540	1.55	0.96	0.47	39,738
Mit.	4.73	11.4	20.7	192	0.36	0.73	16.3	16.6	0.73	3.91	4.27	—	39,540	39,540	1.55	0.96	0.47	39,738
% Reduced	69%	71%	75%	-67%	—	80%	—	2%	78%	—	28%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.7	28.0	57.0	81.5	0.26	2.35	11.4	11.9	2.17	2.75	4.02	—	28,206	28,206	1.11	0.69	4.77	28,349
Mit.	3.29	8.06	14.8	137	0.26	0.52	11.4	11.7	0.52	2.75	3.00	—	28,206	28,206	1.11	0.69	4.77	28,349
% Reduced	69%	71%	74%	-68%	—	78%	—	2%	76%	—	25%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.95	5.10	10.4	14.9	0.05	0.43	2.08	2.18	0.40	0.50	0.73	—	4,670	4,670	0.18	0.11	0.79	4,693
Mit.	0.60	1.47	2.69	25.0	0.05	0.09	2.08	2.13	0.09	0.50	0.55	—	4,670	4,670	0.18	0.11	0.79	4,693
% Reduced	69%	71%	74%	-68%	—	78%	—	2%	76%	—	25%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	3.15	2.65	15.3	24.8	0.07	0.69	1.18	1.87	0.63	0.20	0.83	—	7,928	7,928	0.30	0.15	1.25	7,980
2034	15.0	12.6	79.8	115	0.36	3.29	9.50	12.8	3.03	2.61	5.64	—	39,544	39,544	1.55	0.54	2.96	39,745
2035	5.54	4.92	27.8	75.3	0.11	0.60	13.1	13.7	0.55	3.13	3.68	—	22,102	22,102	0.46	0.73	18.0	22,348
2036	5.41	4.79	26.9	73.4	0.11	0.56	13.1	13.6	0.52	3.13	3.65	—	21,861	21,861	0.46	0.73	15.5	22,105

2037	6.87	39.4	37.5	95.4	0.15	0.74	16.3	17.0	0.68	3.91	4.59	—	28,018	28,018	0.61	0.96	16.7	28,336
2038	6.70	39.2	36.5	94.2	0.15	0.70	16.3	17.0	0.65	3.91	4.56	—	27,771	27,771	0.61	0.96	14.2	28,087
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	15.4	12.9	84.4	115	0.36	3.60	9.50	13.1	3.31	2.61	5.92	—	39,540	39,540	1.55	0.54	0.09	39,738
2034	15.0	12.6	79.9	114	0.36	3.29	9.50	12.8	3.03	2.61	5.64	—	39,480	39,480	1.55	0.54	0.08	39,679
2035	14.6	12.3	75.7	113	0.36	3.06	13.1	13.7	2.81	3.13	5.42	—	39,424	39,424	1.55	0.73	0.47	39,618
2036	5.34	4.72	27.2	65.0	0.11	0.56	13.1	13.6	0.52	3.13	3.65	—	21,030	21,030	0.48	0.73	0.40	21,260
2037	6.79	39.3	37.8	86.0	0.15	0.74	16.3	17.0	0.68	3.91	4.59	—	27,010	27,010	0.61	0.96	0.43	27,312
2038	6.64	39.2	37.2	84.8	0.15	0.70	16.3	17.0	0.65	3.91	4.56	—	26,772	26,772	0.61	0.96	0.37	27,074
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	2.95	2.48	15.5	22.4	0.07	0.67	1.54	2.21	0.62	0.38	0.99	—	7,504	7,504	0.29	0.12	0.37	7,546
2034	10.7	9.00	57.0	81.5	0.26	2.35	6.77	9.12	2.17	1.86	4.02	—	28,206	28,206	1.11	0.38	0.91	28,349
2035	4.98	4.33	25.9	53.9	0.11	0.72	8.78	9.51	0.66	2.14	2.80	—	17,427	17,427	0.47	0.50	4.73	17,591
2036	3.82	3.37	19.5	47.6	0.08	0.40	9.21	9.62	0.37	2.20	2.58	—	15,147	15,147	0.34	0.52	4.77	15,316
2037	4.38	17.8	23.7	55.7	0.10	0.47	10.5	11.0	0.43	2.52	2.95	—	17,562	17,562	0.39	0.61	4.70	17,757
2038	4.73	28.0	26.6	61.5	0.11	0.50	11.4	11.9	0.47	2.75	3.21	—	19,224	19,224	0.44	0.69	4.37	19,444
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.54	0.45	2.82	4.08	0.01	0.12	0.28	0.40	0.11	0.07	0.18	—	1,242	1,242	0.05	0.02	0.06	1,249
2034	1.95	1.64	10.4	14.9	0.05	0.43	1.24	1.66	0.40	0.34	0.73	—	4,670	4,670	0.18	0.06	0.15	4,693
2035	0.91	0.79	4.72	9.85	0.02	0.13	1.60	1.73	0.12	0.39	0.51	—	2,885	2,885	0.08	0.08	0.78	2,912
2036	0.70	0.62	3.55	8.69	0.01	0.07	1.68	1.76	0.07	0.40	0.47	—	2,508	2,508	0.06	0.09	0.79	2,536
2037	0.80	3.25	4.32	10.2	0.02	0.09	1.91	2.00	0.08	0.46	0.54	—	2,908	2,908	0.06	0.10	0.78	2,940
2038	0.86	5.10	4.85	11.2	0.02	0.09	2.08	2.18	0.09	0.50	0.59	—	3,183	3,183	0.07	0.11	0.72	3,219

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.76	0.74	4.08	39.6	0.07	0.14	1.18	1.32	0.14	0.20	0.34	—	7,928	7,928	0.30	0.15	1.25	7,980
2034	3.83	3.78	20.6	192	0.36	0.72	9.50	10.2	0.72	2.61	3.33	—	39,544	39,544	1.55	0.54	2.96	39,745
2035	3.83	3.59	14.4	82.7	0.11	0.28	13.1	13.4	0.27	3.13	3.39	—	22,102	22,102	0.46	0.73	18.0	22,348
2036	3.77	3.50	14.2	81.1	0.11	0.27	13.1	13.4	0.26	3.13	3.39	—	21,861	21,861	0.46	0.73	15.5	22,105
2037	4.81	11.5	20.2	105	0.15	0.38	16.3	16.6	0.36	3.91	4.27	—	28,018	28,018	0.61	0.96	16.7	28,336
2038	4.68	11.3	19.6	103	0.15	0.37	16.3	16.6	0.36	3.91	4.27	—	27,771	27,771	0.61	0.96	14.2	28,087
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	3.83	3.78	20.7	192	0.36	0.73	9.50	10.2	0.73	2.61	3.33	—	39,540	39,540	1.55	0.54	0.09	39,738
2034	3.82	3.77	20.7	191	0.36	0.72	9.50	10.2	0.72	2.61	3.33	—	39,480	39,480	1.55	0.54	0.08	39,679
2035	3.81	3.77	20.6	191	0.36	0.72	13.1	13.4	0.72	3.13	3.39	—	39,424	39,424	1.55	0.73	0.47	39,618
2036	3.70	3.43	14.5	72.7	0.11	0.27	13.1	13.4	0.26	3.13	3.39	—	21,030	21,030	0.48	0.73	0.40	21,260
2037	4.73	11.4	20.5	95.1	0.15	0.38	16.3	16.6	0.36	3.91	4.27	—	27,010	27,010	0.61	0.96	0.43	27,312
2038	4.62	11.3	20.4	94.0	0.15	0.37	16.3	16.6	0.36	3.91	4.27	—	26,772	26,772	0.61	0.96	0.37	27,074
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2033	0.72	0.71	3.92	36.8	0.07	0.14	1.54	1.67	0.14	0.38	0.51	—	7,504	7,504	0.29	0.12	0.37	7,546
2034	2.73	2.69	14.8	137	0.26	0.52	6.77	7.29	0.52	1.86	2.38	—	28,206	28,206	1.11	0.38	0.91	28,349
2035	2.68	2.52	11.3	67.8	0.11	0.25	8.78	9.03	0.25	2.14	2.38	—	17,427	17,427	0.47	0.50	4.73	17,591
2036	2.64	2.45	10.4	53.1	0.08	0.20	9.21	9.41	0.19	2.20	2.39	—	15,147	15,147	0.34	0.52	4.77	15,316
2037	3.05	5.76	12.8	61.9	0.10	0.24	10.5	10.7	0.23	2.52	2.75	—	17,562	17,562	0.39	0.61	4.70	17,757
2038	3.29	8.06	14.5	68.1	0.11	0.26	11.4	11.7	0.25	2.75	3.00	—	19,224	19,224	0.44	0.69	4.37	19,444
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2033	0.13	0.13	0.72	6.71	0.01	0.02	0.28	0.31	0.02	0.07	0.09	—	1,242	1,242	0.05	0.02	0.06	1,249
2034	0.50	0.49	2.69	25.0	0.05	0.09	1.24	1.33	0.09	0.34	0.43	—	4,670	4,670	0.18	0.06	0.15	4,693
2035	0.49	0.46	2.07	12.4	0.02	0.05	1.60	1.65	0.04	0.39	0.44	—	2,885	2,885	0.08	0.08	0.78	2,912
2036	0.48	0.45	1.89	9.70	0.01	0.04	1.68	1.72	0.03	0.40	0.44	—	2,508	2,508	0.06	0.09	0.79	2,536
2037	0.56	1.05	2.34	11.3	0.02	0.04	1.91	1.96	0.04	0.46	0.50	—	2,908	2,908	0.06	0.10	0.78	2,940
2038	0.60	1.47	2.65	12.4	0.02	0.05	2.08	2.13	0.05	0.50	0.55	—	3,183	3,183	0.07	0.11	0.72	3,219

3. Construction Emissions Details

3.1. Site Preparation (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	2.57	14.7	23.6	0.07	0.68	—	0.68	0.63	—	0.63	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	2.57	14.7	23.6	0.07	0.68	—	0.68	0.63	—	0.63	—	7,083	7,083	0.29	0.06	—	7,107

Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	0.93	5.33	8.52	0.02	0.25	—	0.25	0.23	—	0.23	—	2,561	2,561	0.10	0.02	—	2,570
Dust From Material Movement	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	0.97	1.55	< 0.005	0.05	—	0.05	0.04	—	0.04	—	424	424	0.02	< 0.005	—	426
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	1.00	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	277	277	< 0.005	< 0.005	0.46	278
Vendor	0.03	0.01	0.56	0.20	0.01	0.01	0.20	0.20	0.01	0.05	0.06	—	569	569	0.01	0.09	0.78	596
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.06	0.05	0.76	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	255	255	< 0.005	< 0.005	0.01	255
Vendor	0.02	0.01	0.58	0.20	0.01	0.01	0.20	0.20	0.01	0.05	0.06	—	569	569	0.01	0.09	0.02	595
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93.2	93.2	< 0.005	< 0.005	0.07	93.5
Vendor	0.01	< 0.005	0.21	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	206	206	< 0.005	0.03	0.12	215
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.4	15.4	< 0.005	< 0.005	0.01	15.5
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.1	34.1	< 0.005	0.01	0.02	35.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.67	3.48	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.67	0.67	3.48	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.24	1.26	13.9	0.02	0.05	—	0.05	0.05	—	0.05	—	2,561	2,561	0.10	0.02	—	2,570
Dust From Material Movement	—	—	—	—	—	—	0.25	0.25	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.23	2.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	424	424	0.02	< 0.005	—	426
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	1.00	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	277	277	< 0.005	< 0.005	0.46	278
Vendor	0.03	0.01	0.56	0.20	0.01	0.01	0.20	0.20	0.01	0.05	0.06	—	569	569	0.01	0.09	0.78	596
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.76	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	255	255	< 0.005	< 0.005	0.01	255
Vendor	0.02	0.01	0.58	0.20	0.01	0.01	0.20	0.20	0.01	0.05	0.06	—	569	569	0.01	0.09	0.02	595
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	93.2	93.2	< 0.005	< 0.005	0.07	93.5
Vendor	0.01	< 0.005	0.21	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	206	206	< 0.005	0.03	0.12	215
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.4	15.4	< 0.005	< 0.005	0.01	15.5
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.1	34.1	< 0.005	0.01	0.02	35.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	15.2	12.7	82.7	112	0.34	3.59	—	3.59	3.30	—	3.30	—	37,266	37,266	1.51	0.30	—	37,394

Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.78	1.50	9.71	13.1	0.04	0.42	—	0.42	0.39	—	0.39	—	4,376	4,376	0.18	0.04	—	4,391
Dust From Material Movement	—	—	—	—	—	—	0.95	0.95	—	0.27	0.27	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	1.77	2.40	0.01	0.08	—	0.08	0.07	—	0.07	—	724	724	0.03	0.01	—	727
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.14	2.27	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	764	764	0.01	< 0.005	0.04	765
Vendor	0.07	0.04	1.55	0.54	0.01	0.01	0.52	0.54	0.01	0.14	0.16	—	1,510	1,510	0.03	0.23	0.05	1,579
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	90.8	90.8	< 0.005	< 0.005	0.07	91.1
Vendor	0.01	< 0.005	0.18	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	177	177	< 0.005	0.03	0.11	185
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.0	15.0	< 0.005	< 0.005	0.01	15.1
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.3	29.3	< 0.005	< 0.005	0.02	30.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.59	3.58	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.42	2.23	22.2	0.04	0.08	—	0.08	0.08	—	0.08	—	4,376	4,376	0.18	0.04	—	4,391

Dust From Material Movement	—	—	—	—	—	—	0.95	0.95	—	0.27	0.27	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.41	4.04	0.01	0.02	—	0.02	0.02	—	0.02	—	724	724	0.03	0.01	—	727
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.14	2.27	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	764	764	0.01	< 0.005	0.04	765
Vendor	0.07	0.04	1.55	0.54	0.01	0.01	0.52	0.54	0.01	0.14	0.16	—	1,510	1,510	0.03	0.23	0.05	1,579
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	90.8	90.8	< 0.005	< 0.005	0.07	91.1
Vendor	0.01	< 0.005	0.18	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	177	177	< 0.005	0.03	0.11	185
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.0	15.0	< 0.005	< 0.005	0.01	15.1
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.3	29.3	< 0.005	< 0.005	0.02	30.7

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	14.8	12.4	78.2	111	0.34	3.28	—	3.28	3.02	—	3.02	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	14.8	12.4	78.2	111	0.34	3.28	—	3.28	3.02	—	3.02	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	10.5	8.86	55.9	79.5	0.25	2.34	—	2.34	2.16	—	2.16	—	26,619	26,619	1.08	0.22	—	26,710

Dust From Material Movement	—	—	—	—	—	—	5.78	5.78	—	1.61	1.61	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.92	1.62	10.2	14.5	0.04	0.43	—	0.43	0.39	—	0.39	—	4,407	4,407	0.18	0.04	—	4,422
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.29	0.29	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.11	2.83	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	820	820	0.01	< 0.005	1.21	823
Vendor	0.07	0.04	1.43	0.52	0.01	0.01	0.52	0.54	0.01	0.14	0.16	—	1,458	1,458	0.03	0.23	1.75	1,529
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.14	2.14	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	755	755	0.01	< 0.005	0.03	756
Vendor	0.06	0.03	1.50	0.54	0.01	0.01	0.52	0.54	0.01	0.14	0.16	—	1,459	1,459	0.03	0.23	0.05	1,528
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.10	1.61	0.00	0.00	0.62	0.62	0.00	0.15	0.15	—	546	546	0.01	< 0.005	0.37	547
Vendor	0.05	0.03	1.07	0.38	0.01	0.01	0.37	0.38	0.01	0.10	0.11	—	1,042	1,042	0.02	0.16	0.54	1,092
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	90.4	90.4	< 0.005	< 0.005	0.06	90.6
Vendor	0.01	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	172	172	< 0.005	0.03	0.09	181
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.59	3.57	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.59	3.57	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.56	2.55	13.6	135	0.25	0.51	—	0.51	0.51	—	0.51	—	26,619	26,619	1.08	0.22	—	26,710
Dust From Material Movement	—	—	—	—	—	—	5.78	5.78	—	1.61	1.61	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.47	2.48	24.6	0.04	0.09	—	0.09	0.09	—	0.09	—	4,407	4,407	0.18	0.04	—	4,422
Dust From Material Movement	—	—	—	—	—	—	1.06	1.06	—	0.29	0.29	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.17	0.11	2.83	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	820	820	0.01	< 0.005	1.21	823
Vendor	0.07	0.04	1.43	0.52	0.01	0.01	0.52	0.54	0.01	0.14	0.16	—	1,458	1,458	0.03	0.23	1.75	1,529
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.14	2.14	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	755	755	0.01	< 0.005	0.03	756
Vendor	0.06	0.03	1.50	0.54	0.01	0.01	0.52	0.54	0.01	0.14	0.16	—	1,459	1,459	0.03	0.23	0.05	1,528
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.10	1.61	0.00	0.00	0.62	0.62	0.00	0.15	0.15	—	546	546	0.01	< 0.005	0.37	547

Vendor	0.05	0.03	1.07	0.38	0.01	0.01	0.37	0.38	0.01	0.10	0.11	—	1,042	1,042	0.02	0.16	0.54	1,092
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.29	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	90.4	90.4	< 0.005	< 0.005	0.06	90.6
Vendor	0.01	< 0.005	0.19	0.07	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	172	172	< 0.005	0.03	0.09	181
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	14.4	12.1	74.1	110	0.34	3.04	—	3.04	2.80	—	2.80	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.72	1.44	8.84	13.1	0.04	0.36	—	0.36	0.33	—	0.33	—	4,449	4,449	0.18	0.04	—	4,464

Dust From Material Movement	—	—	—	—	—	—	0.97	0.97	—	0.27	0.27	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.26	1.61	2.40	0.01	0.07	—	0.07	0.06	—	0.06	—	737	737	0.03	0.01	—	739
Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.14	2.04	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	747	747	0.01	< 0.005	0.03	748
Vendor	0.07	0.03	1.45	0.53	0.01	0.01	0.52	0.54	0.01	0.14	0.16	—	1,411	1,411	0.03	0.22	0.04	1,476
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	90.2	90.2	< 0.005	< 0.005	0.05	90.5
Vendor	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	168	168	< 0.005	0.03	0.08	176
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.01	15.0
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.9	27.9	< 0.005	< 0.005	0.01	29.2

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Grading (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.59	3.57	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.43	2.27	22.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,449	4,449	0.18	0.04	—	4,464
Dust From Material Movement	—	—	—	—	—	—	0.97	0.97	—	0.27	0.27	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.41	4.11	0.01	0.02	—	0.02	0.02	—	0.02	—	737	737	0.03	0.01	—	739

Dust From Material Movement	—	—	—	—	—	—	0.18	0.18	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.14	2.04	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	747	747	0.01	< 0.005	0.03	748
Vendor	0.07	0.03	1.45	0.53	0.01	0.01	0.52	0.54	0.01	0.14	0.16	—	1,411	1,411	0.03	0.22	0.04	1,476
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.26	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	90.2	90.2	< 0.005	< 0.005	0.05	90.5
Vendor	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	168	168	< 0.005	0.03	0.08	176
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.01	15.0
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.9	27.9	< 0.005	< 0.005	0.01	29.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.61	22.4	38.3	0.07	0.56	—	0.56	0.51	—	0.51	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.61	22.4	38.3	0.07	0.56	—	0.56	0.51	—	0.51	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.86	1.55	13.3	22.8	0.04	0.33	—	0.33	0.31	—	0.31	—	4,430	4,430	0.18	0.04	—	4,445
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	2.43	4.16	0.01	0.06	—	0.06	0.06	—	0.06	—	733	733	0.03	0.01	—	736
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.22	2.20	1.46	35.5	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	10,658	10,658	0.08	0.06	13.8	10,691
Vendor	0.20	0.11	3.95	1.45	0.04	0.04	1.48	1.52	0.04	0.41	0.45	—	3,998	3,998	0.08	0.61	4.14	4,186
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.14	2.10	1.86	26.8	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	9,813	9,813	0.10	0.06	0.36	9,834
Vendor	0.18	0.10	4.12	1.49	0.04	0.04	1.48	1.52	0.04	0.41	0.45	—	4,002	4,002	0.08	0.61	0.11	4,186
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.27	1.25	1.11	16.8	0.00	0.00	6.78	6.78	0.00	1.59	1.59	—	5,911	5,911	0.06	0.03	3.54	5,926
Vendor	0.11	0.06	2.44	0.88	0.02	0.02	0.87	0.89	0.02	0.24	0.26	—	2,379	2,379	0.05	0.36	1.06	2,490
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.20	3.07	0.00	0.00	1.24	1.24	0.00	0.29	0.29	—	979	979	0.01	0.01	0.59	981
Vendor	0.02	0.01	0.45	0.16	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	394	394	0.01	0.06	0.18	412
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.28	8.98	45.7	0.07	0.24	—	0.24	0.23	—	0.23	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.41	1.28	8.98	45.7	0.07	0.24	—	0.24	0.23	—	0.23	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	0.76	5.34	27.2	0.04	0.14	—	0.14	0.14	—	0.14	—	4,430	4,430	0.18	0.04	—	4,445
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.14	0.98	4.97	0.01	0.03	—	0.03	0.02	—	0.02	—	733	733	0.03	0.01	—	736
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.22	2.20	1.46	35.5	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	10,658	10,658	0.08	0.06	13.8	10,691
Vendor	0.20	0.11	3.95	1.45	0.04	0.04	1.48	1.52	0.04	0.41	0.45	—	3,998	3,998	0.08	0.61	4.14	4,186
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.14	2.10	1.86	26.8	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	9,813	9,813	0.10	0.06	0.36	9,834
Vendor	0.18	0.10	4.12	1.49	0.04	0.04	1.48	1.52	0.04	0.41	0.45	—	4,002	4,002	0.08	0.61	0.11	4,186
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.27	1.25	1.11	16.8	0.00	0.00	6.78	6.78	0.00	1.59	1.59	—	5,911	5,911	0.06	0.03	3.54	5,926
Vendor	0.11	0.06	2.44	0.88	0.02	0.02	0.87	0.89	0.02	0.24	0.26	—	2,379	2,379	0.05	0.36	1.06	2,490

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.20	3.07	0.00	0.00	1.24	1.24	0.00	0.29	0.29	—	979	979	0.01	0.01	0.59	981
Vendor	0.02	0.01	0.45	0.16	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	394	394	0.01	0.06	0.18	412
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	2.56	21.7	38.0	0.07	0.53	—	0.53	0.48	—	0.48	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.06	2.56	21.7	38.0	0.07	0.53	—	0.53	0.48	—	0.48	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.19	1.83	15.5	27.2	0.05	0.38	—	0.38	0.35	—	0.35	—	5,333	5,333	0.22	0.04	—	5,351
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.40	0.33	2.83	4.97	0.01	0.07	—	0.07	0.06	—	0.06	—	883	883	0.04	0.01	—	886
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.16	2.12	1.46	33.9	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	10,547	10,547	0.08	0.06	12.0	10,579
Vendor	0.19	0.11	3.81	1.46	0.04	0.04	1.48	1.52	0.04	0.41	0.45	—	3,868	3,868	0.08	0.61	3.45	4,055
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.10	2.06	1.48	25.5	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	9,712	9,712	0.10	0.06	0.31	9,732
Vendor	0.18	0.10	4.03	1.49	0.04	0.04	1.48	1.52	0.04	0.41	0.45	—	3,872	3,872	0.08	0.61	0.09	4,056
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.49	1.46	1.06	19.3	0.00	0.00	8.17	8.17	0.00	1.91	1.91	—	7,043	7,043	0.07	0.04	3.71	7,061
Vendor	0.13	0.07	2.87	1.06	0.03	0.03	1.05	1.07	0.03	0.29	0.32	—	2,772	2,772	0.06	0.44	1.07	2,904
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.27	0.19	3.53	0.00	0.00	1.49	1.49	0.00	0.35	0.35	—	1,166	1,166	0.01	0.01	0.61	1,169
Vendor	0.02	0.01	0.52	0.19	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	459	459	0.01	0.07	0.18	481
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.27	8.97	45.7	0.07	0.23	—	0.23	0.23	—	0.23	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.27	8.97	45.7	0.07	0.23	—	0.23	0.23	—	0.23	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.91	6.42	32.8	0.05	0.17	—	0.17	0.16	—	0.16	—	5,333	5,333	0.22	0.04	—	5,351
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.17	1.17	5.98	0.01	0.03	—	0.03	0.03	—	0.03	—	883	883	0.04	0.01	—	886
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.16	2.12	1.46	33.9	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	10,547	10,547	0.08	0.06	12.0	10,579
Vendor	0.19	0.11	3.81	1.46	0.04	0.04	1.48	1.52	0.04	0.41	0.45	—	3,868	3,868	0.08	0.61	3.45	4,055
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.10	2.06	1.48	25.5	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	9,712	9,712	0.10	0.06	0.31	9,732
Vendor	0.18	0.10	4.03	1.49	0.04	0.04	1.48	1.52	0.04	0.41	0.45	—	3,872	3,872	0.08	0.61	0.09	4,056
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.49	1.46	1.06	19.3	0.00	0.00	8.17	8.17	0.00	1.91	1.91	—	7,043	7,043	0.07	0.04	3.71	7,061
Vendor	0.13	0.07	2.87	1.06	0.03	0.03	1.05	1.07	0.03	0.29	0.32	—	2,772	2,772	0.06	0.44	1.07	2,904
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.27	0.19	3.53	0.00	0.00	1.49	1.49	0.00	0.35	0.35	—	1,166	1,166	0.01	0.01	0.61	1,169
Vendor	0.02	0.01	0.52	0.19	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	459	459	0.01	0.07	0.18	481
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.01	2.52	21.2	37.7	0.07	0.49	—	0.49	0.45	—	0.45	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.01	2.52	21.2	37.7	0.07	0.49	—	0.49	0.45	—	0.45	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.15	1.80	15.2	26.9	0.05	0.35	—	0.35	0.32	—	0.32	—	5,318	5,318	0.22	0.04	—	5,337
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	0.33	2.77	4.91	0.01	0.06	—	0.06	0.06	—	0.06	—	881	881	0.04	0.01	—	884
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.06	2.02	1.44	32.3	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	10,455	10,455	0.08	0.06	10.3	10,485
Vendor	0.19	0.11	3.72	1.42	0.04	0.04	1.44	1.48	0.04	0.41	0.45	—	3,755	3,755	0.08	0.57	2.83	3,930
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.00	1.97	1.46	24.6	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	9,627	9,627	0.08	0.06	0.27	9,647
Vendor	0.18	0.10	3.89	1.46	0.04	0.04	1.44	1.48	0.04	0.41	0.45	—	3,759	3,759	0.08	0.57	0.07	3,931
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.43	1.40	1.05	18.4	0.00	0.00	8.15	8.15	0.00	1.91	1.91	—	6,962	6,962	0.06	0.04	3.19	6,979
Vendor	0.13	0.07	2.77	1.03	0.03	0.03	1.01	1.04	0.03	0.29	0.32	—	2,683	2,683	0.06	0.41	0.87	2,807

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.19	3.35	0.00	0.00	1.49	1.49	0.00	0.35	0.35	—	1,153	1,153	0.01	0.01	0.53	1,156
Vendor	0.02	0.01	0.51	0.19	0.01	0.01	0.19	0.19	0.01	0.05	0.06	—	444	444	0.01	0.07	0.14	465
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.27	8.95	45.7	0.07	0.23	—	0.23	0.22	—	0.22	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.27	8.95	45.7	0.07	0.23	—	0.23	0.22	—	0.22	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.91	6.39	32.7	0.05	0.17	—	0.17	0.16	—	0.16	—	5,318	5,318	0.22	0.04	—	5,337
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.18	0.17	1.17	5.96	0.01	0.03	—	0.03	0.03	—	0.03	—	881	881	0.04	0.01	—	884
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.06	2.02	1.44	32.3	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	10,455	10,455	0.08	0.06	10.3	10,485
Vendor	0.19	0.11	3.72	1.42	0.04	0.04	1.44	1.48	0.04	0.41	0.45	—	3,755	3,755	0.08	0.57	2.83	3,930
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.00	1.97	1.46	24.6	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	9,627	9,627	0.08	0.06	0.27	9,647
Vendor	0.18	0.10	3.89	1.46	0.04	0.04	1.44	1.48	0.04	0.41	0.45	—	3,759	3,759	0.08	0.57	0.07	3,931
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.43	1.40	1.05	18.4	0.00	0.00	8.15	8.15	0.00	1.91	1.91	—	6,962	6,962	0.06	0.04	3.19	6,979
Vendor	0.13	0.07	2.77	1.03	0.03	0.03	1.01	1.04	0.03	0.29	0.32	—	2,683	2,683	0.06	0.41	0.87	2,807
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.19	3.35	0.00	0.00	1.49	1.49	0.00	0.35	0.35	—	1,153	1,153	0.01	0.01	0.53	1,156
Vendor	0.02	0.01	0.51	0.19	0.01	0.01	0.19	0.19	0.01	0.05	0.06	—	444	444	0.01	0.07	0.14	465
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.99	2.50	20.9	37.6	0.07	0.47	—	0.47	0.44	—	0.44	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.99	2.50	20.9	37.6	0.07	0.47	—	0.47	0.44	—	0.44	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.13	1.79	15.0	26.8	0.05	0.34	—	0.34	0.31	—	0.31	—	5,318	5,318	0.22	0.04	—	5,337
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	0.33	2.73	4.90	0.01	0.06	—	0.06	0.06	—	0.06	—	881	881	0.04	0.01	—	884
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.97	1.93	1.08	31.4	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	10,372	10,372	0.08	0.06	8.90	10,400
Vendor	0.19	0.11	3.62	1.42	0.04	0.04	1.44	1.48	0.04	0.41	0.45	—	3,652	3,652	0.08	0.57	2.29	3,827
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.93	1.91	1.46	23.7	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	9,551	9,551	0.08	0.06	0.23	9,571
Vendor	0.18	0.10	3.84	1.46	0.04	0.04	1.44	1.48	0.04	0.41	0.45	—	3,656	3,656	0.08	0.57	0.06	3,829
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.36	1.35	1.04	17.7	0.00	0.00	8.15	8.15	0.00	1.91	1.91	—	6,907	6,907	0.06	0.04	2.75	6,924
Vendor	0.13	0.07	2.73	1.03	0.03	0.03	1.01	1.04	0.03	0.29	0.32	—	2,610	2,610	0.06	0.41	0.71	2,734
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.25	0.19	3.23	0.00	0.00	1.49	1.49	0.00	0.35	0.35	—	1,144	1,144	0.01	0.01	0.45	1,146
Vendor	0.02	0.01	0.50	0.19	0.01	0.01	0.19	0.19	0.01	0.05	0.06	—	432	432	0.01	0.07	0.12	453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.41	1.27	8.94	45.7	0.07	0.23	—	0.23	0.22	—	0.22	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.41	1.27	8.94	45.7	0.07	0.23	—	0.23	0.22	—	0.22	—	7,446	7,446	0.30	0.06	—	7,471
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.91	6.38	32.7	0.05	0.16	—	0.16	0.16	—	0.16	—	5,318	5,318	0.22	0.04	—	5,337
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.17	1.16	5.96	0.01	0.03	—	0.03	0.03	—	0.03	—	881	881	0.04	0.01	—	884
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.97	1.93	1.08	31.4	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	10,372	10,372	0.08	0.06	8.90	10,400
Vendor	0.19	0.11	3.62	1.42	0.04	0.04	1.44	1.48	0.04	0.41	0.45	—	3,652	3,652	0.08	0.57	2.29	3,827
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.93	1.91	1.46	23.7	0.00	0.00	11.6	11.6	0.00	2.72	2.72	—	9,551	9,551	0.08	0.06	0.23	9,571
Vendor	0.18	0.10	3.84	1.46	0.04	0.04	1.44	1.48	0.04	0.41	0.45	—	3,656	3,656	0.08	0.57	0.06	3,829
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.36	1.35	1.04	17.7	0.00	0.00	8.15	8.15	0.00	1.91	1.91	—	6,907	6,907	0.06	0.04	2.75	6,924
Vendor	0.13	0.07	2.73	1.03	0.03	0.03	1.01	1.04	0.03	0.29	0.32	—	2,610	2,610	0.06	0.41	0.71	2,734

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.25	0.19	3.23	0.00	0.00	1.49	1.49	0.00	0.35	0.35	—	1,144	1,144	0.01	0.01	0.45	1,146
Vendor	0.02	0.01	0.50	0.19	0.01	0.01	0.19	0.19	0.01	0.05	0.06	—	432	432	0.01	0.07	0.12	453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Paving (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	8.25	14.7	0.02	0.19	—	0.19	0.17	—	0.17	—	2,266	2,266	0.09	0.02	—	2,274
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	8.25	14.7	0.02	0.19	—	0.19	0.17	—	0.17	—	2,266	2,266	0.09	0.02	—	2,274
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	3.45	6.14	0.01	0.08	—	0.08	0.07	—	0.07	—	949	949	0.04	0.01	—	952
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.63	1.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	157	157	0.01	< 0.005	—	158
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.82	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	265	265	< 0.005	< 0.005	0.26	266
Vendor	0.08	0.04	1.55	0.59	0.02	0.02	0.60	0.62	0.02	0.17	0.19	—	1,563	1,563	0.03	0.24	1.18	1,636
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.62	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	244	244	< 0.005	< 0.005	0.01	245
Vendor	0.08	0.04	1.62	0.61	0.02	0.02	0.60	0.62	0.02	0.17	0.19	—	1,564	1,564	0.03	0.24	0.03	1,636
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.27	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	104	104	< 0.005	< 0.005	0.05	104
Vendor	0.03	0.02	0.68	0.25	0.01	0.01	0.25	0.25	0.01	0.07	0.08	—	655	655	0.01	0.10	0.21	685
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	17.1	17.1	< 0.005	< 0.005	0.01	17.2
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.04	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Paving (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	3.26	15.7	0.02	0.08	—	0.08	0.08	—	0.08	—	2,266	2,266	0.09	0.02	—	2,274
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	3.26	15.7	0.02	0.08	—	0.08	0.08	—	0.08	—	2,266	2,266	0.09	0.02	—	2,274
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.17	1.36	6.60	0.01	0.03	—	0.03	0.03	—	0.03	—	949	949	0.04	0.01	—	952
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.25	1.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	157	157	0.01	< 0.005	—	158
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.82	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	265	265	< 0.005	< 0.005	0.26	266
Vendor	0.08	0.04	1.55	0.59	0.02	0.02	0.60	0.62	0.02	0.17	0.19	—	1,563	1,563	0.03	0.24	1.18	1,636
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.62	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	244	244	< 0.005	< 0.005	0.01	245
Vendor	0.08	0.04	1.62	0.61	0.02	0.02	0.60	0.62	0.02	0.17	0.19	—	1,564	1,564	0.03	0.24	0.03	1,636
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.27	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	104	104	< 0.005	< 0.005	0.05	104
Vendor	0.03	0.02	0.68	0.25	0.01	0.01	0.25	0.25	0.01	0.07	0.08	—	655	655	0.01	0.10	0.21	685
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	17.1	17.1	< 0.005	< 0.005	0.01	17.2
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.04	113
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Paving (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	0.75	8.07	14.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,266	2,266	0.09	0.02	—	2,274
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	0.75	8.07	14.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,266	2,266	0.09	0.02	—	2,274
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.53	5.77	10.5	0.01	0.12	—	0.12	0.11	—	0.11	—	1,619	1,619	0.07	0.01	—	1,624
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	1.05	1.91	< 0.005	0.02	—	0.02	0.02	—	0.02	—	268	268	0.01	< 0.005	—	269
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.05	0.03	0.80	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	263	263	< 0.005	< 0.005	0.23	264
Vendor	0.08	0.04	1.51	0.59	0.02	0.02	0.60	0.62	0.02	0.17	0.19	—	1,520	1,520	0.03	0.24	0.95	1,593
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.60	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	242	242	< 0.005	< 0.005	0.01	243
Vendor	0.08	0.04	1.60	0.61	0.02	0.02	0.60	0.62	0.02	0.17	0.19	—	1,522	1,522	0.03	0.24	0.02	1,593
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.45	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	175	175	< 0.005	< 0.005	0.07	176
Vendor	0.06	0.03	1.14	0.43	0.01	0.01	0.42	0.43	0.01	0.12	0.13	—	1,086	1,086	0.02	0.17	0.29	1,138
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	29.0	29.0	< 0.005	< 0.005	0.01	29.1
Vendor	0.01	0.01	0.21	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.05	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Paving (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.41	3.23	15.7	0.02	0.08	—	0.08	0.07	—	0.07	—	2,266	2,266	0.09	0.02	—	2,274
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.41	3.23	15.7	0.02	0.08	—	0.08	0.07	—	0.07	—	2,266	2,266	0.09	0.02	—	2,274
Paving	—	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.29	2.30	11.2	0.01	0.06	—	0.06	0.05	—	0.05	—	1,619	1,619	0.07	0.01	—	1,624
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.42	2.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	268	268	0.01	< 0.005	—	269
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.80	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	263	263	< 0.005	< 0.005	0.23	264
Vendor	0.08	0.04	1.51	0.59	0.02	0.02	0.60	0.62	0.02	0.17	0.19	—	1,520	1,520	0.03	0.24	0.95	1,593
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.05	0.04	0.60	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	242	242	< 0.005	< 0.005	0.01	243
Vendor	0.08	0.04	1.60	0.61	0.02	0.02	0.60	0.62	0.02	0.17	0.19	—	1,522	1,522	0.03	0.24	0.02	1,593
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.45	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	175	175	< 0.005	< 0.005	0.07	176
Vendor	0.06	0.03	1.14	0.43	0.01	0.01	0.42	0.43	0.01	0.12	0.13	—	1,086	1,086	0.02	0.17	0.29	1,138
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	29.0	29.0	< 0.005	< 0.005	0.01	29.1
Vendor	0.01	0.01	0.21	0.08	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	180	180	< 0.005	0.03	0.05	188
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Architectural Coating (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.00	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	33.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.14	0.12	1.00	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	33.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.42	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	74.6	74.6	< 0.005	< 0.005	—	74.8
Architectural Coatings	—	13.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Architectural Coatings	—	2.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.40	0.29	6.46	0.00	0.00	2.32	2.32	0.00	0.54	0.54	—	2,091	2,091	0.02	0.01	2.07	2,097
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.40	0.39	0.29	4.92	0.00	0.00	2.32	2.32	0.00	0.54	0.54	—	1,925	1,925	0.02	0.01	0.05	1,929
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.12	2.15	0.00	0.00	0.96	0.96	0.00	0.22	0.22	—	816	816	0.01	< 0.005	0.37	818
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.39	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	135	135	< 0.005	< 0.005	0.06	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Architectural Coating (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.00	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	6.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.14	0.12	1.00	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	6.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.42	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	74.6	74.6	< 0.005	< 0.005	—	74.8
Architectural Coatings	—	2.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Architectural Coatings	—	0.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.40	0.29	6.46	0.00	0.00	2.32	2.32	0.00	0.54	0.54	—	2,091	2,091	0.02	0.01	2.07	2,097
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.40	0.39	0.29	4.92	0.00	0.00	2.32	2.32	0.00	0.54	0.54	—	1,925	1,925	0.02	0.01	0.05	1,929
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.12	2.15	0.00	0.00	0.96	0.96	0.00	0.22	0.22	—	816	816	0.01	< 0.005	0.37	818
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.39	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	135	135	< 0.005	< 0.005	0.06	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Architectural Coating (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	33.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	33.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	1.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	127	127	0.01	< 0.005	—	128
Architectural Coatings	—	23.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.1	21.1	< 0.005	< 0.005	—	21.1
Architectural Coatings	—	4.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.39	0.22	6.29	0.00	0.00	2.32	2.32	0.00	0.54	0.54	—	2,074	2,074	0.02	0.01	1.78	2,080
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.39	0.38	0.29	4.74	0.00	0.00	2.32	2.32	0.00	0.54	0.54	—	1,910	1,910	0.02	0.01	0.05	1,914
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.27	0.21	3.54	0.00	0.00	1.63	1.63	0.00	0.38	0.38	—	1,381	1,381	0.01	0.01	0.55	1,385
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.65	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	229	229	< 0.005	< 0.005	0.09	229
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. Architectural Coating (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	6.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	6.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	1.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	127	127	0.01	< 0.005	—	128
Architectural Coatings	—	4.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.1	21.1	< 0.005	< 0.005	—	21.1
Architectural Coatings	—	0.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.39	0.22	6.29	0.00	0.00	2.32	2.32	0.00	0.54	0.54	—	2,074	2,074	0.02	0.01	1.78	2,080
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.39	0.38	0.29	4.74	0.00	0.00	2.32	2.32	0.00	0.54	0.54	—	1,910	1,910	0.02	0.01	0.05	1,914
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.27	0.21	3.54	0.00	0.00	1.63	1.63	0.00	0.38	0.38	—	1,381	1,381	0.01	0.01	0.55	1,385
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.65	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	229	229	< 0.005	< 0.005	0.09	229
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/1/2033	11/1/2033	5.00	132	—
Grading	Grading	11/2/2033	3/2/2035	5.00	348	—
Building Construction	Building Construction	3/3/2035	12/31/2038	5.00	1,000	—
Paving	Paving	6/1/2037	12/31/2038	5.00	415	—
Architectural Coating	Architectural Coating	6/1/2037	12/31/2038	5.00	415	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Crawler Tractors	Diesel	Average	5.00	8.00	87.0	0.43
Site Preparation	Off-Highway Trucks	Diesel	Average	4.00	8.00	376	0.38
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	14.0	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Off-Highway Trucks	Diesel	Average	4.00	8.00	376	0.38

Building Construction	Cranes	Diesel	Average	3.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	8.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	3.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	3.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	3.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	5.00	8.00	87.0	0.43
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	376	0.38
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	14.0	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Grading	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	3.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	8.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	3.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	8.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	3.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	3.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 4 Final	3.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	3.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	23.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	67.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	61.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	887	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	173	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	22.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	72.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT

Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	177	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	23.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	67.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	61.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	887	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	173	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	22.5	18.5	LDA,LDT1,LDT2
Paving	Vendor	72.0	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	177	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	1,938,958	646,319	2,475,000	825,000	33,454

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	330	0.00	—
Grading	—	—	6,264	0.00	—
Paving	0.00	0.00	0.00	0.00	17.7

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction

Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Light Industry	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Single Family Housing	4.93	0%
Apartments Low Rise	—	0%
Strip Mall	0.00	0%
City Park	0.00	0%
Parking Lot	12.8	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2033	0.00	532	0.03	< 0.005
2034	0.00	532	0.03	< 0.005
2035	0.00	532	0.03	< 0.005
2036	0.00	532	0.03	< 0.005
2037	0.00	532	0.03	< 0.005
2038	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	28.1	annual days of extreme heat
Extreme Precipitation	3.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	29.1	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	99.1
AQ-PM	50.3
AQ-DPM	35.7
Drinking Water	55.1
Lead Risk Housing	1.83

Pesticides	31.6
Toxic Releases	45.3
Traffic	50.9
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	47.4
Haz Waste Facilities/Generators	79.2
Impaired Water Bodies	12.5
Solid Waste	52.9
Sensitive Population	—
Asthma	55.5
Cardio-vascular	84.1
Low Birth Weights	55.4
Socioeconomic Factor Indicators	—
Education	51.2
Housing	6.89
Linguistic	21.4
Poverty	14.5
Unemployment	9.72

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	72.12883357
Employed	95.58578211
Median HI	89.34941614

Education	—
Bachelor's or higher	68.75401001
High school enrollment	100
Preschool enrollment	38.32926986
Transportation	—
Auto Access	98.98626973
Active commuting	3.195175157
Social	—
2-parent households	82.43295265
Voting	49.26215835
Neighborhood	—
Alcohol availability	93.77646606
Park access	6.441678429
Retail density	5.338123957
Supermarket access	15.96304376
Tree canopy	5.954061337
Housing	—
Homeownership	95.7141024
Housing habitability	96.52252021
Low-inc homeowner severe housing cost burden	60.52867958
Low-inc renter severe housing cost burden	94.8671885
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	76.20941871
Arthritis	0.0
Asthma ER Admissions	51.9
High Blood Pressure	0.0

Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	61.7
Cognitively Disabled	96.9
Physically Disabled	80.2
Heart Attack ER Admissions	11.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	2.1
SLR Inundation Area	0.0
Children	1.2
Elderly	85.6
English Speaking	87.3
Foreign-born	32.8
Outdoor Workers	85.1

Climate Change Adaptive Capacity	—
Impervious Surface Cover	90.3
Traffic Density	52.9
Traffic Access	23.0
Other Indices	—
Hardship	24.0
Other Decision Support	—
2016 Voting	68.8

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	78.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction schedule adjusted based on data from the Project team.
Construction: Off-Road Equipment	All equipment assumed to operate 8 hours per day. Crawler tractors used during site preparation and grading in lieu of tractors/loaders/backhoes to account for fugitive dust.
Construction: Trips and VMT	Vendor trips assigned to site preparation, grading, building construction, and paving based on the duration of each phase.
Construction: Architectural Coatings	Rule 1113

15218 Mesa Verde Ph4 Construction Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2037) - Unmitigated

3.2. Site Preparation (2037) - Mitigated

3.3. Grading (2037) - Unmitigated

3.4. Grading (2037) - Mitigated

3.5. Grading (2038) - Unmitigated

3.6. Grading (2038) - Mitigated

3.7. Building Construction (2038) - Unmitigated

3.8. Building Construction (2038) - Mitigated

3.9. Building Construction (2039) - Unmitigated

3.10. Building Construction (2039) - Mitigated

3.11. Building Construction (2040) - Unmitigated

3.12. Building Construction (2040) - Mitigated

3.13. Paving (2039) - Unmitigated

3.14. Paving (2039) - Mitigated

3.15. Paving (2040) - Unmitigated

3.16. Paving (2040) - Mitigated

3.17. Architectural Coating (2039) - Unmitigated

3.18. Architectural Coating (2039) - Mitigated

3.19. Architectural Coating (2040) - Unmitigated

3.20. Architectural Coating (2040) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	15218 Mesa Verde Ph4 Construction
Construction Start Date	1/1/2037
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	25.8
Location	33.99651242926771, -117.07481407512961
County	Riverside-South Coast
City	Calimesa
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5624
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	240	1000sqft	5.51	240,000	0.00	—	—	—

Single Family Housing	689	Dwelling Unit	224	1,343,550	8,070,158	—	2,225	—
Apartments Low Rise	194	Dwelling Unit	12.1	205,640	0.00	—	627	—
Elementary School	600	Student	1.15	50,162	0.00	0.00	—	—
City Park	16.5	Acre	16.5	0.00	0.00	0.00	—	—
Parking Lot	10.2	Acre	10.2	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.7	30.8	66.0	110	0.35	2.68	9.24	11.9	2.47	2.54	5.01	—	38,756	38,756	1.53	0.41	6.21	38,918
Mit.	3.78	8.29	19.8	191	0.35	0.71	9.24	9.96	0.71	2.54	3.25	—	38,756	38,756	1.53	0.41	6.21	38,918
% Reduced	72%	73%	70%	-75%	—	73%	—	16%	71%	—	35%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.7	30.5	66.1	109	0.35	2.68	9.24	11.9	2.47	2.54	5.01	—	38,694	38,694	1.53	0.41	0.16	38,855

Mit.	3.77	8.03	19.8	191	0.35	0.71	9.24	9.96	0.71	2.54	3.25	—	38,694	38,694	1.53	0.41	0.16	38,855
% Reduced	72%	74%	70%	-75%	—	73%	—	16%	71%	—	35%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.19	21.8	34.0	61.3	0.18	1.30	6.09	7.30	1.19	1.59	2.78	—	21,418	21,418	0.81	0.29	1.73	21,517
Mit.	2.30	5.71	11.5	103	0.18	0.38	6.09	6.39	0.38	1.59	1.97	—	21,418	21,418	0.81	0.29	1.73	21,517
% Reduced	68%	74%	66%	-68%	—	70%	—	12%	68%	—	29%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.31	3.98	6.21	11.2	0.03	0.24	1.11	1.33	0.22	0.29	0.51	—	3,546	3,546	0.13	0.05	0.29	3,562
Mit.	0.42	1.04	2.09	18.8	0.03	0.07	1.11	1.17	0.07	0.29	0.36	—	3,546	3,546	0.13	0.05	0.29	3,562
% Reduced	68%	74%	66%	-68%	—	70%	—	12%	68%	—	29%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	13.7	11.5	66.0	110	0.35	2.68	9.24	11.9	2.47	2.54	5.01	—	38,756	38,756	1.53	0.41	1.31	38,918
2038	13.4	11.2	62.0	107	0.35	2.53	9.24	11.8	2.32	2.54	4.86	—	38,731	38,731	1.53	0.41	5.65	38,893
2039	4.32	30.8	24.9	62.2	0.09	0.47	8.64	9.11	0.44	2.07	2.50	—	16,367	16,367	0.40	0.40	6.21	16,504
2040	4.25	30.5	24.6	61.6	0.09	0.46	8.64	9.10	0.42	2.07	2.49	—	16,280	16,280	0.38	0.40	5.23	16,415
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	13.7	11.5	66.1	109	0.35	2.68	9.24	11.9	2.47	2.54	5.01	—	38,694	38,694	1.53	0.41	0.03	38,855

2038	13.4	11.2	62.0	106	0.35	2.53	9.24	11.8	2.32	2.54	4.86	—	38,669	38,669	1.53	0.41	0.15	38,830
2039	4.29	30.5	25.2	57.2	0.09	0.47	8.64	9.11	0.44	2.07	2.50	—	15,821	15,821	0.40	0.40	0.16	15,952
2040	4.22	30.5	24.8	56.6	0.09	0.46	8.64	9.10	0.42	2.07	2.49	—	15,737	15,737	0.40	0.40	0.14	15,868
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	6.57	5.52	31.3	52.6	0.17	1.26	4.16	5.42	1.16	1.11	2.27	—	18,372	18,372	0.73	0.20	0.29	18,450
2038	7.19	6.08	34.0	61.3	0.18	1.30	6.00	7.30	1.19	1.59	2.78	—	21,418	21,418	0.81	0.26	0.80	21,517
2039	2.76	13.6	15.9	37.1	0.06	0.30	5.55	5.85	0.28	1.32	1.60	—	10,256	10,256	0.26	0.25	1.73	10,337
2040	3.02	21.8	17.9	41.2	0.07	0.33	6.09	6.41	0.30	1.45	1.76	—	11,327	11,327	0.28	0.29	1.62	11,422
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	1.20	1.01	5.72	9.60	0.03	0.23	0.76	0.99	0.21	0.20	0.41	—	3,042	3,042	0.12	0.03	0.05	3,055
2038	1.31	1.11	6.21	11.2	0.03	0.24	1.10	1.33	0.22	0.29	0.51	—	3,546	3,546	0.13	0.04	0.13	3,562
2039	0.50	2.48	2.89	6.77	0.01	0.05	1.01	1.07	0.05	0.24	0.29	—	1,698	1,698	0.04	0.04	0.29	1,711
2040	0.55	3.98	3.27	7.53	0.01	0.06	1.11	1.17	0.06	0.27	0.32	—	1,875	1,875	0.05	0.05	0.27	1,891

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	3.78	3.75	19.8	191	0.35	0.71	9.24	9.96	0.71	2.54	3.25	—	38,756	38,756	1.53	0.41	1.31	38,918
2038	3.77	3.74	19.7	191	0.35	0.71	9.24	9.96	0.71	2.54	3.25	—	38,731	38,731	1.53	0.41	5.65	38,893
2039	2.81	8.29	12.2	68.8	0.09	0.24	8.64	8.88	0.24	2.07	2.30	—	16,367	16,367	0.40	0.40	6.21	16,504
2040	2.76	8.01	12.1	68.2	0.09	0.24	8.64	8.88	0.23	2.07	2.30	—	16,280	16,280	0.38	0.40	5.23	16,415
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	3.77	3.74	19.8	191	0.35	0.71	9.24	9.96	0.71	2.54	3.25	—	38,694	38,694	1.53	0.41	0.03	38,855

2038	3.77	3.74	19.8	191	0.35	0.71	9.24	9.96	0.71	2.54	3.25	—	38,669	38,669	1.53	0.41	0.15	38,830
2039	2.78	8.03	12.6	63.8	0.09	0.24	8.64	8.88	0.24	2.07	2.30	—	15,821	15,821	0.40	0.40	0.16	15,952
2040	2.73	7.98	12.3	63.2	0.09	0.24	8.64	8.88	0.23	2.07	2.30	—	15,737	15,737	0.40	0.40	0.14	15,868
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	1.79	1.77	9.38	91.2	0.17	0.34	4.16	4.50	0.34	1.11	1.44	—	18,372	18,372	0.73	0.20	0.29	18,450
2038	2.30	2.26	11.5	103	0.18	0.38	6.00	6.39	0.38	1.59	1.97	—	21,418	21,418	0.81	0.26	0.80	21,517
2039	1.77	3.87	7.74	41.6	0.06	0.16	5.55	5.70	0.15	1.32	1.47	—	10,256	10,256	0.26	0.25	1.73	10,337
2040	1.96	5.71	8.96	46.0	0.07	0.17	6.09	6.26	0.17	1.45	1.62	—	11,327	11,327	0.28	0.29	1.62	11,422
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2037	0.33	0.32	1.71	16.6	0.03	0.06	0.76	0.82	0.06	0.20	0.26	—	3,042	3,042	0.12	0.03	0.05	3,055
2038	0.42	0.41	2.09	18.8	0.03	0.07	1.10	1.17	0.07	0.29	0.36	—	3,546	3,546	0.13	0.04	0.13	3,562
2039	0.32	0.71	1.41	7.59	0.01	0.03	1.01	1.04	0.03	0.24	0.27	—	1,698	1,698	0.04	0.04	0.29	1,711
2040	0.36	1.04	1.64	8.39	0.01	0.03	1.11	1.14	0.03	0.27	0.30	—	1,875	1,875	0.05	0.05	0.27	1,891

3. Construction Emissions Details

3.1. Site Preparation (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.82	2.37	12.5	23.3	0.07	0.49	—	0.49	0.45	—	0.45	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.82	2.37	12.5	23.3	0.07	0.49	—	0.49	0.45	—	0.45	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.70	3.70	6.91	0.02	0.15	—	0.15	0.13	—	0.13	—	2,096	2,096	0.09	0.02	—	2,103
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.67	1.26	< 0.005	0.03	—	0.03	0.02	—	0.02	—	347	347	0.01	< 0.005	—	348
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.82	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	265	265	< 0.005	< 0.005	0.26	266
Vendor	0.01	0.01	0.24	0.09	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	239	239	0.01	0.04	0.18	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.62	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	244	244	< 0.005	< 0.005	0.01	245
Vendor	0.01	0.01	0.25	0.09	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	239	239	0.01	0.04	< 0.005	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.19	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	73.1	73.1	< 0.005	< 0.005	0.03	73.3
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	70.7	70.7	< 0.005	0.01	0.02	73.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	12.1	12.1	< 0.005	< 0.005	0.01	12.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.67	0.67	3.48	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.67	3.48	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.03	11.4	0.02	0.04	—	0.04	0.04	—	0.04	—	2,096	2,096	0.09	0.02	—	2,103
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.19	2.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	347	347	0.01	< 0.005	—	348
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.82	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	265	265	< 0.005	< 0.005	0.26	266
Vendor	0.01	0.01	0.24	0.09	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	239	239	0.01	0.04	0.18	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.62	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	244	244	< 0.005	< 0.005	0.01	245
Vendor	0.01	0.01	0.25	0.09	< 0.005	< 0.005	0.09	0.09	< 0.005	0.03	0.03	—	239	239	0.01	0.04	< 0.005	250
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.19	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	73.1	73.1	< 0.005	< 0.005	0.03	73.3
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	70.7	70.7	< 0.005	0.01	0.02	73.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	12.1	12.1	< 0.005	< 0.005	0.01	12.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	11.7	11.7	< 0.005	< 0.005	< 0.005	12.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	13.5	11.4	65.2	107	0.34	2.67	—	2.67	2.46	—	2.46	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	13.5	11.4	65.2	107	0.34	2.67	—	2.67	2.46	—	2.46	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.64	4.74	27.2	44.6	0.14	1.11	—	1.11	1.02	—	1.02	—	15,533	15,533	0.63	0.13	—	15,587
Dust From Material Movement	—	—	—	—	—	—	3.37	3.37	—	0.94	0.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	4.96	8.13	0.03	0.20	—	0.20	0.19	—	0.19	—	2,572	2,572	0.10	0.02	—	2,581

Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.11	2.46	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	795	795	0.01	< 0.005	0.79	798
Vendor	0.04	0.02	0.69	0.26	0.01	0.01	0.27	0.27	0.01	0.08	0.08	—	695	695	0.01	0.11	0.52	727
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.15	0.11	1.87	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	732	732	0.01	< 0.005	0.02	734
Vendor	0.03	0.02	0.72	0.27	0.01	0.01	0.27	0.27	0.01	0.08	0.08	—	695	695	0.01	0.11	0.01	727
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.82	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	309	309	< 0.005	< 0.005	0.14	310
Vendor	0.01	0.01	0.30	0.11	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	290	290	0.01	0.04	0.09	303
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	51.2	51.2	< 0.005	< 0.005	0.02	51.3
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	48.0	48.0	< 0.005	0.01	0.02	50.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.59	3.57	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.59	3.57	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.49	7.92	78.7	0.14	0.29	—	0.29	0.29	—	0.29	—	15,533	15,533	0.63	0.13	—	15,587
Dust From Material Movement	—	—	—	—	—	—	3.37	3.37	—	0.94	0.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.27	1.45	14.4	0.03	0.05	—	0.05	0.05	—	0.05	—	2,572	2,572	0.10	0.02	—	2,581
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.11	2.46	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	795	795	0.01	< 0.005	0.79	798
Vendor	0.04	0.02	0.69	0.26	0.01	0.01	0.27	0.27	0.01	0.08	0.08	—	695	695	0.01	0.11	0.52	727
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.15	0.11	1.87	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	732	732	0.01	< 0.005	0.02	734
Vendor	0.03	0.02	0.72	0.27	0.01	0.01	0.27	0.27	0.01	0.08	0.08	—	695	695	0.01	0.11	0.01	727
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.82	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	309	309	< 0.005	< 0.005	0.14	310
Vendor	0.01	0.01	0.30	0.11	< 0.005	< 0.005	0.11	0.11	< 0.005	0.03	0.03	—	290	290	0.01	0.04	0.09	303
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	51.2	51.2	< 0.005	< 0.005	0.02	51.3
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	48.0	48.0	< 0.005	0.01	0.02	50.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	13.2	11.1	61.2	104	0.34	2.52	—	2.52	2.32	—	2.32	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	13.2	11.1	61.2	104	0.34	2.52	—	2.52	2.32	—	2.32	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.32	5.31	29.3	50.0	0.17	1.21	—	1.21	1.11	—	1.11	—	17,867	17,867	0.72	0.14	—	17,929
Dust From Material Movement	—	—	—	—	—	—	3.88	3.88	—	1.08	1.08	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	5.36	9.12	0.03	0.22	—	0.22	0.20	—	0.20	—	2,958	2,958	0.12	0.02	—	2,968
Dust From Material Movement	—	—	—	—	—	—	0.71	0.71	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.15	0.08	2.39	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	789	789	0.01	< 0.005	0.68	791
Vendor	0.04	0.02	0.67	0.26	0.01	0.01	0.27	0.27	0.01	0.08	0.08	—	676	676	0.01	0.11	0.42	708
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.15	0.11	1.80	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	727	727	0.01	< 0.005	0.02	728
Vendor	0.03	0.02	0.71	0.27	0.01	0.01	0.27	0.27	0.01	0.08	0.08	—	676	676	0.01	0.11	0.01	708
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.90	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	353	353	< 0.005	< 0.005	0.14	354
Vendor	0.02	0.01	0.34	0.13	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	324	324	0.01	0.05	0.09	339
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	58.4	58.4	< 0.005	< 0.005	0.02	58.5
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.6	53.6	< 0.005	0.01	0.01	56.2

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.58	3.57	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.58	3.57	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.72	1.71	9.10	90.5	0.17	0.34	—	0.34	0.34	—	0.34	—	17,867	17,867	0.72	0.14	—	17,929

Dust From Material Movement	—	—	—	—	—	—	3.88	3.88	—	1.08	1.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	1.66	16.5	0.03	0.06	—	0.06	0.06	—	0.06	—	2,958	2,958	0.12	0.02	—	2,968
Dust From Material Movement	—	—	—	—	—	—	0.71	0.71	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.15	0.08	2.39	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	789	789	0.01	< 0.005	0.68	791
Vendor	0.04	0.02	0.67	0.26	0.01	0.01	0.27	0.27	0.01	0.08	0.08	—	676	676	0.01	0.11	0.42	708
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.15	0.11	1.80	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	727	727	0.01	< 0.005	0.02	728
Vendor	0.03	0.02	0.71	0.27	0.01	0.01	0.27	0.27	0.01	0.08	0.08	—	676	676	0.01	0.11	0.01	708
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	0.90	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	353	353	< 0.005	< 0.005	0.14	354
Vendor	0.02	0.01	0.34	0.13	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	324	324	0.01	0.05	0.09	339
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	58.4	58.4	< 0.005	< 0.005	0.02	58.5
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.6	53.6	< 0.005	0.01	0.01	56.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.25	1.88	16.1	30.0	0.06	0.35	—	0.35	0.32	—	0.32	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.25	1.88	16.1	30.0	0.06	0.35	—	0.35	0.32	—	0.32	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	3.78	7.03	0.01	0.08	—	0.08	0.08	—	0.08	—	1,339	1,339	0.05	0.01	—	1,343
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.69	1.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	222	222	0.01	< 0.005	—	222

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.08	1.05	0.59	17.2	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,677	5,677	0.04	0.03	4.87	5,692
Vendor	0.07	0.04	1.24	0.48	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,245	1,245	0.03	0.19	0.78	1,305
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	1.04	0.80	13.0	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,227	5,227	0.04	0.03	0.13	5,238
Vendor	0.06	0.03	1.31	0.50	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,247	1,247	0.03	0.19	0.02	1,306
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.19	3.19	0.00	0.00	1.47	1.47	0.00	0.34	0.34	—	1,243	1,243	0.01	0.01	0.49	1,246
Vendor	0.02	0.01	0.31	0.12	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.04	—	293	293	0.01	0.05	0.08	307
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.58	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	206	206	< 0.005	< 0.005	0.08	206
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	48.4	48.4	< 0.005	0.01	0.01	50.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.32	35.6	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.32	35.6	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.22	1.48	8.37	0.01	0.04	—	0.04	0.04	—	0.04	—	1,339	1,339	0.05	0.01	—	1,343
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.27	1.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	222	222	0.01	< 0.005	—	222
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.08	1.05	0.59	17.2	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,677	5,677	0.04	0.03	4.87	5,692
Vendor	0.07	0.04	1.24	0.48	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,245	1,245	0.03	0.19	0.78	1,305
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	1.04	0.80	13.0	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,227	5,227	0.04	0.03	0.13	5,238
Vendor	0.06	0.03	1.31	0.50	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,247	1,247	0.03	0.19	0.02	1,306
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.19	3.19	0.00	0.00	1.47	1.47	0.00	0.34	0.34	—	1,243	1,243	0.01	0.01	0.49	1,246
Vendor	0.02	0.01	0.31	0.12	< 0.005	< 0.005	0.11	0.12	< 0.005	0.03	0.04	—	293	293	0.01	0.05	0.08	307
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.58	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	206	206	< 0.005	< 0.005	0.08	206
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	48.4	48.4	< 0.005	0.01	0.01	50.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	1.86	15.8	29.8	0.06	0.33	—	0.33	0.31	—	0.31	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.23	1.86	15.8	29.8	0.06	0.33	—	0.33	0.31	—	0.31	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.59	1.33	11.3	21.3	0.04	0.24	—	0.24	0.22	—	0.22	—	4,072	4,072	0.17	0.03	—	4,086
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.06	3.89	0.01	0.04	—	0.04	0.04	—	0.04	—	674	674	0.03	0.01	—	677
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.02	1.00	0.58	16.5	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,637	5,637	0.04	0.03	4.19	5,652
Vendor	0.07	0.04	1.22	0.49	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,215	1,215	0.03	0.18	0.63	1,270
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.00	0.79	0.79	12.5	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,192	5,192	0.04	0.03	0.11	5,203
Vendor	0.06	0.03	1.28	0.50	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,216	1,216	0.03	0.18	0.02	1,271
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.71	0.56	0.57	9.35	0.00	0.00	4.46	4.46	0.00	1.04	1.04	—	3,755	3,755	0.03	0.02	1.29	3,763
Vendor	0.05	0.03	0.91	0.35	0.01	0.01	0.35	0.36	0.01	0.10	0.11	—	868	868	0.02	0.13	0.19	907

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.10	1.71	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	622	622	0.01	< 0.005	0.21	623
Vendor	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	144	144	< 0.005	0.02	0.03	150
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.32	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.32	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.66	4.51	25.5	0.04	0.12	—	0.12	0.12	—	0.12	—	4,072	4,072	0.17	0.03	—	4,086
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.13	0.12	0.82	4.65	0.01	0.02	—	0.02	0.02	—	0.02	—	674	674	0.03	0.01	—	677
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.02	1.00	0.58	16.5	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,637	5,637	0.04	0.03	4.19	5,652
Vendor	0.07	0.04	1.22	0.49	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,215	1,215	0.03	0.18	0.63	1,270
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.00	0.79	0.79	12.5	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,192	5,192	0.04	0.03	0.11	5,203
Vendor	0.06	0.03	1.28	0.50	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,216	1,216	0.03	0.18	0.02	1,271
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.71	0.56	0.57	9.35	0.00	0.00	4.46	4.46	0.00	1.04	1.04	—	3,755	3,755	0.03	0.02	1.29	3,763
Vendor	0.05	0.03	0.91	0.35	0.01	0.01	0.35	0.36	0.01	0.10	0.11	—	868	868	0.02	0.13	0.19	907
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.10	1.71	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	622	622	0.01	< 0.005	0.21	623
Vendor	0.01	< 0.005	0.17	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	144	144	< 0.005	0.02	0.03	150
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2040) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.21	1.85	15.7	29.8	0.06	0.32	—	0.32	0.30	—	0.30	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.21	1.85	15.7	29.8	0.06	0.32	—	0.32	0.30	—	0.30	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.58	1.33	11.2	21.3	0.04	0.23	—	0.23	0.21	—	0.21	—	4,084	4,084	0.17	0.03	—	4,098
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.24	2.05	3.89	0.01	0.04	—	0.04	0.04	—	0.04	—	676	676	0.03	0.01	—	678
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.98	0.77	0.58	16.1	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,603	5,603	0.03	0.03	3.57	5,617
Vendor	0.07	0.04	1.19	0.48	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,187	1,187	0.03	0.18	0.50	1,243
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.75	0.59	12.0	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,160	5,160	0.04	0.03	0.09	5,171
Vendor	0.06	0.03	1.26	0.49	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,189	1,189	0.03	0.18	0.01	1,244
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.69	0.54	0.56	9.19	0.00	0.00	4.47	4.47	0.00	1.05	1.05	—	3,742	3,742	0.03	0.02	1.11	3,751
Vendor	0.05	0.03	0.90	0.35	0.01	0.01	0.35	0.36	0.01	0.10	0.11	—	851	851	0.02	0.13	0.15	890
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.10	1.68	0.00	0.00	0.82	0.82	0.00	0.19	0.19	—	620	620	0.01	< 0.005	0.18	621
Vendor	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	141	141	< 0.005	0.02	0.03	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2040) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.31	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.01	0.92	6.31	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.66	4.52	25.5	0.04	0.12	—	0.12	0.12	—	0.12	—	4,084	4,084	0.17	0.03	—	4,098
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.12	0.83	4.66	0.01	0.02	—	0.02	0.02	—	0.02	—	676	676	0.03	0.01	—	678
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.98	0.77	0.58	16.1	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,603	5,603	0.03	0.03	3.57	5,617
Vendor	0.07	0.04	1.19	0.48	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,187	1,187	0.03	0.18	0.50	1,243
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.75	0.59	12.0	0.00	0.00	6.35	6.35	0.00	1.49	1.49	—	5,160	5,160	0.04	0.03	0.09	5,171
Vendor	0.06	0.03	1.26	0.49	0.01	0.01	0.49	0.50	0.01	0.14	0.15	—	1,189	1,189	0.03	0.18	0.01	1,244
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.69	0.54	0.56	9.19	0.00	0.00	4.47	4.47	0.00	1.05	1.05	—	3,742	3,742	0.03	0.02	1.11	3,751
Vendor	0.05	0.03	0.90	0.35	0.01	0.01	0.35	0.36	0.01	0.10	0.11	—	851	851	0.02	0.13	0.15	890

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.10	1.68	0.00	0.00	0.82	0.82	0.00	0.19	0.19	—	620	620	0.01	< 0.005	0.18	621
Vendor	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	141	141	< 0.005	0.02	0.03	147
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	5.31	9.75	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	5.31	9.75	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.21	2.22	4.08	0.01	0.05	—	0.05	0.04	—	0.04	—	633	633	0.03	0.01	—	635
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.41	0.75	< 0.005	0.01	—	0.01	0.01	—	0.01	—	105	105	< 0.005	< 0.005	—	105
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.51	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.13	175
Vendor	0.04	0.02	0.83	0.33	0.01	0.01	0.33	0.34	0.01	0.09	0.10	—	824	824	0.02	0.12	0.42	861
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.39	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	160	160	< 0.005	< 0.005	< 0.005	161
Vendor	0.04	0.02	0.87	0.34	0.01	0.01	0.33	0.34	0.01	0.09	0.10	—	825	825	0.02	0.12	0.01	862
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	68.0	68.0	< 0.005	< 0.005	0.02	68.2
Vendor	0.02	0.01	0.36	0.14	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	345	345	0.01	0.05	0.08	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	< 0.005	11.3
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	57.1	57.1	< 0.005	0.01	0.01	59.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.27	2.14	10.5	0.01	0.05	—	0.05	0.05	—	0.05	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.27	2.14	10.5	0.01	0.05	—	0.05	0.05	—	0.05	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.11	0.90	4.39	0.01	0.02	—	0.02	0.02	—	0.02	—	633	633	0.03	0.01	—	635
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	105	105	< 0.005	< 0.005	—	105
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.51	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	174	174	< 0.005	< 0.005	0.13	175
Vendor	0.04	0.02	0.83	0.33	0.01	0.01	0.33	0.34	0.01	0.09	0.10	—	824	824	0.02	0.12	0.42	861
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.39	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	160	160	< 0.005	< 0.005	< 0.005	161
Vendor	0.04	0.02	0.87	0.34	0.01	0.01	0.33	0.34	0.01	0.09	0.10	—	825	825	0.02	0.12	0.01	862
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	68.0	68.0	< 0.005	< 0.005	0.02	68.2
Vendor	0.02	0.01	0.36	0.14	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	345	345	0.01	0.05	0.08	361
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	< 0.005	11.3
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	57.1	57.1	< 0.005	0.01	0.01	59.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Paving (2040) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	5.27	9.75	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	5.27	9.75	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.35	3.78	6.98	0.01	0.08	—	0.08	0.07	—	0.07	—	1,082	1,082	0.04	0.01	—	1,086
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.69	1.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	180
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.02	0.02	0.50	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	173	173	< 0.005	< 0.005	0.11	174
Vendor	0.04	0.02	0.81	0.32	0.01	0.01	0.33	0.34	0.01	0.09	0.10	—	805	805	0.02	0.12	0.34	843
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.37	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	159	159	< 0.005	< 0.005	< 0.005	160
Vendor	0.04	0.02	0.86	0.33	0.01	0.01	0.33	0.34	0.01	0.09	0.10	—	806	806	0.02	0.12	0.01	843
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	116	116	< 0.005	< 0.005	0.03	116
Vendor	0.03	0.02	0.61	0.23	0.01	0.01	0.24	0.24	0.01	0.07	0.07	—	577	577	0.01	0.09	0.11	604
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	19.1	19.1	< 0.005	< 0.005	0.01	19.2
Vendor	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	95.5	95.5	< 0.005	0.01	0.02	99.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Paving (2040) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.26	2.13	10.5	0.01	0.05	—	0.05	0.05	—	0.05	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.26	2.13	10.5	0.01	0.05	—	0.05	0.05	—	0.05	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.19	1.53	7.51	0.01	0.03	—	0.03	0.03	—	0.03	—	1,082	1,082	0.04	0.01	—	1,086
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	1.37	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	180
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.50	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	173	173	< 0.005	< 0.005	0.11	174
Vendor	0.04	0.02	0.81	0.32	0.01	0.01	0.33	0.34	0.01	0.09	0.10	—	805	805	0.02	0.12	0.34	843
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.02	0.02	0.37	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	159	159	< 0.005	< 0.005	< 0.005	160
Vendor	0.04	0.02	0.86	0.33	0.01	0.01	0.33	0.34	0.01	0.09	0.10	—	806	806	0.02	0.12	0.01	843
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	116	116	< 0.005	< 0.005	0.03	116
Vendor	0.03	0.02	0.61	0.23	0.01	0.01	0.24	0.24	0.01	0.07	0.07	—	577	577	0.01	0.09	0.11	604
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	19.1	19.1	< 0.005	< 0.005	0.01	19.2
Vendor	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	95.5	95.5	< 0.005	0.01	0.02	99.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Architectural Coating (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.42	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	74.6	74.6	< 0.005	< 0.005	—	74.8
Architectural Coatings	—	11.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Architectural Coatings	—	2.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	0.12	3.31	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,127	1,127	0.01	0.01	0.84	1,130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.20	0.16	0.16	2.50	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,038	1,038	0.01	0.01	0.02	1,041
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	1.10	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	440	440	< 0.005	< 0.005	0.15	441
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.20	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	72.9	72.9	< 0.005	< 0.005	0.03	73.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Architectural Coating (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	5.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	5.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.42	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	74.6	74.6	< 0.005	< 0.005	—	74.8
Architectural Coatings	—	2.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Architectural Coatings	—	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	0.12	3.31	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,127	1,127	0.01	0.01	0.84	1,130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.20	0.16	0.16	2.50	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,038	1,038	0.01	0.01	0.02	1,041
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	1.10	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	440	440	< 0.005	< 0.005	0.15	441
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.20	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	72.9	72.9	< 0.005	< 0.005	0.03	73.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Architectural Coating (2040) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	1.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	128	128	0.01	< 0.005	—	128
Architectural Coatings	—	19.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.1	21.1	< 0.005	< 0.005	—	21.2
Architectural Coatings	—	3.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	0.12	3.22	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,121	1,121	0.01	0.01	0.71	1,123
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.19	0.15	0.12	2.40	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,032	1,032	0.01	0.01	0.02	1,034
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.11	0.11	1.84	0.00	0.00	0.89	0.89	0.00	0.21	0.21	—	748	748	0.01	< 0.005	0.22	750
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.34	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	124	124	< 0.005	< 0.005	0.04	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Architectural Coating (2040) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	5.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	5.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	1.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	128	128	0.01	< 0.005	—	128
Architectural Coatings	—	4.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.1	21.1	< 0.005	< 0.005	—	21.2
Architectural Coatings	—	0.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.15	0.12	3.22	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,121	1,121	0.01	0.01	0.71	1,123
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.19	0.15	0.12	2.40	0.00	0.00	1.27	1.27	0.00	0.30	0.30	—	1,032	1,032	0.01	0.01	0.02	1,034
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.11	0.11	1.84	0.00	0.00	0.89	0.89	0.00	0.21	0.21	—	748	748	0.01	< 0.005	0.22	750
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.34	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	124	124	< 0.005	< 0.005	0.04	124
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2037	6/1/2037	5.00	108	—
Grading	Grading	6/2/2037	9/2/2038	5.00	328	—
Building Construction	Building Construction	9/3/2038	12/31/2040	5.00	607	—
Paving	Paving	6/1/2039	12/31/2040	5.00	414	—
Architectural Coating	Architectural Coating	6/1/2039	12/31/2040	5.00	414	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Crawler Tractors	Diesel	Average	5.00	8.00	87.0	0.43
Site Preparation	Off-Highway Trucks	Diesel	Average	4.00	8.00	376	0.38
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	14.0	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Off-Highway Trucks	Diesel	Average	4.00	8.00	376	0.38

Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	7.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	7.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	5.00	8.00	87.0	0.43
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	376	0.38
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	14.0	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Grading	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	7.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	7.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	11.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	67.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	32.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	486	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	59.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	40.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT

Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	97.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	11.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	67.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	32.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	486	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	59.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	40.0	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	97.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	3,137,110	1,045,703	435,243	145,081	26,737

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	270	0.00	—
Grading	—	—	5,904	0.00	—
Paving	0.00	0.00	0.00	0.00	17.8

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction

Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Office Building	0.00	0%
Single Family Housing	7.59	0%
Apartments Low Rise	—	0%
Elementary School	0.00	0%
City Park	0.00	0%
Parking Lot	10.2	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2037	0.00	532	0.03	< 0.005
2038	0.00	532	0.03	< 0.005
2039	0.00	532	0.03	< 0.005
2040	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	28.1	annual days of extreme heat

Extreme Precipitation	3.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	29.1	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	99.1
AQ-PM	50.3
AQ-DPM	35.7
Drinking Water	55.1
Lead Risk Housing	1.83
Pesticides	31.6

Toxic Releases	45.3
Traffic	50.9
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	47.4
Haz Waste Facilities/Generators	79.2
Impaired Water Bodies	12.5
Solid Waste	52.9
Sensitive Population	—
Asthma	55.5
Cardio-vascular	84.1
Low Birth Weights	55.4
Socioeconomic Factor Indicators	—
Education	51.2
Housing	6.89
Linguistic	21.4
Poverty	14.5
Unemployment	9.72

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	72.12883357
Employed	95.58578211
Median HI	89.34941614
Education	—

Bachelor's or higher	68.75401001
High school enrollment	100
Preschool enrollment	38.32926986
Transportation	—
Auto Access	98.98626973
Active commuting	3.195175157
Social	—
2-parent households	82.43295265
Voting	49.26215835
Neighborhood	—
Alcohol availability	93.77646606
Park access	6.441678429
Retail density	5.338123957
Supermarket access	15.96304376
Tree canopy	5.954061337
Housing	—
Homeownership	95.7141024
Housing habitability	96.52252021
Low-inc homeowner severe housing cost burden	60.52867958
Low-inc renter severe housing cost burden	94.8671885
Uncrowded housing	70.21686129
Health Outcomes	—
Insured adults	76.20941871
Arthritis	0.0
Asthma ER Admissions	51.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0

Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	61.7
Cognitively Disabled	96.9
Physically Disabled	80.2
Heart Attack ER Admissions	11.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	2.1
SLR Inundation Area	0.0
Children	1.2
Elderly	85.6
English Speaking	87.3
Foreign-born	32.8
Outdoor Workers	85.1
Climate Change Adaptive Capacity	—

Impervious Surface Cover	90.3
Traffic Density	52.9
Traffic Access	23.0
Other Indices	—
Hardship	24.0
Other Decision Support	—
2016 Voting	68.8

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	78.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification

Construction: Construction Phases	Construction schedule adjusted based on data from the Project team.
Construction: Off-Road Equipment	All equipment will operate 8 hours per day. Crawler tractors assumed in lieu of tractors/loaders/backhoes during site preparation and grading in order to account for fugitive dust.
Construction: Trips and VMT	Vendor trips assigned to site preparation, grading, building construction, and paving based on the duration of each phase.
Construction: Architectural Coatings	Rule 1113

15218 Mesa Verde Ph5 Construction Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2041) - Unmitigated

3.2. Site Preparation (2041) - Mitigated

3.3. Grading (2041) - Unmitigated

3.4. Grading (2041) - Mitigated

3.5. Grading (2042) - Unmitigated

3.6. Grading (2042) - Mitigated

3.7. Building Construction (2042) - Unmitigated

3.8. Building Construction (2042) - Mitigated

3.9. Building Construction (2043) - Unmitigated

3.10. Building Construction (2043) - Mitigated

3.11. Building Construction (2044) - Unmitigated

3.12. Building Construction (2044) - Mitigated

3.13. Building Construction (2045) - Unmitigated

3.14. Building Construction (2045) - Mitigated

3.15. Paving (2044) - Unmitigated

3.16. Paving (2044) - Mitigated

3.17. Paving (2045) - Unmitigated

3.18. Paving (2045) - Mitigated

3.19. Architectural Coating (2044) - Unmitigated

3.20. Architectural Coating (2044) - Mitigated

3.21. Architectural Coating (2045) - Unmitigated

3.22. Architectural Coating (2045) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	15218 Mesa Verde Ph5 Construction
Construction Start Date	1/1/2041
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	25.8
Location	33.99632739571629, -117.07459033936208
County	Riverside-South Coast
City	Calimesa
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5624
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	547	Dwelling Unit	178	1,066,650	6,406,933	—	1,767	—

Apartments Low Rise	249	Dwelling Unit	15.6	263,940	0.00	—	804	—
Elementary School	600	Student	1.15	50,162	0.00	0.00	—	—
City Park	12.2	Acre	12.2	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.6	23.8	54.1	101	0.35	2.20	9.11	11.3	2.03	2.50	4.53	—	38,356	38,356	1.52	0.36	2.41	38,501
Mit.	3.73	6.15	19.4	191	0.35	0.71	9.11	9.82	0.71	2.50	3.21	—	38,356	38,356	1.52	0.36	2.41	38,501
% Reduced	70%	74%	64%	-90%	—	68%	—	13%	65%	—	29%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.6	23.8	54.1	100	0.35	2.20	9.11	11.3	2.03	2.50	4.53	—	38,295	38,295	1.52	0.36	0.06	38,440
Mit.	3.73	6.13	19.4	190	0.35	0.71	9.11	9.82	0.71	2.50	3.21	—	38,295	38,295	1.52	0.36	0.06	38,440
% Reduced	70%	74%	64%	-90%	—	68%	—	13%	65%	—	29%	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.68	17.0	28.4	53.6	0.18	1.15	5.02	5.78	1.06	1.29	2.28	—	20,059	20,059	0.80	0.21	0.63	20,135
Mit.	1.95	4.37	10.1	100	0.18	0.37	5.02	5.30	0.37	1.29	1.60	—	20,059	20,059	0.80	0.21	0.63	20,135
% Reduced	71%	74%	64%	-87%	—	68%	—	8%	65%	—	30%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.22	3.10	5.18	9.78	0.03	0.21	0.92	1.06	0.19	0.24	0.42	—	3,321	3,321	0.13	0.04	0.10	3,334
Mit.	0.36	0.80	1.85	18.3	0.03	0.07	0.92	0.97	0.07	0.24	0.29	—	3,321	3,321	0.13	0.04	0.10	3,334
% Reduced	71%	74%	64%	-87%	—	68%	—	8%	65%	—	30%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	12.6	10.6	54.1	101	0.35	2.20	9.11	11.3	2.03	2.50	4.53	—	38,356	38,356	1.52	0.36	0.53	38,501
2042	12.5	10.5	52.4	98.9	0.35	2.12	9.11	11.2	1.95	2.50	4.46	—	38,347	38,347	1.52	0.36	2.41	38,491
2043	2.96	2.41	16.7	42.2	0.07	0.31	5.62	5.92	0.28	1.34	1.62	—	11,191	11,191	0.28	0.22	2.03	11,265
2044	3.61	23.8	23.2	56.1	0.09	0.39	7.04	7.43	0.36	1.68	2.04	—	14,332	14,332	0.36	0.30	2.16	14,433
2045	3.56	23.8	23.0	55.9	0.09	0.37	7.04	7.41	0.34	1.68	2.02	—	14,297	14,297	0.36	0.29	1.82	14,394
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	12.6	10.6	54.1	100	0.35	2.20	9.11	11.3	2.03	2.50	4.53	—	38,295	38,295	1.52	0.36	0.01	38,440
2042	12.5	10.5	52.5	98.4	0.35	2.12	9.11	11.2	1.95	2.50	4.46	—	38,286	38,286	1.52	0.36	0.06	38,430

2043	2.79	2.40	16.8	39.2	0.07	0.31	5.62	5.92	0.28	1.34	1.62	—	10,835	10,835	0.29	0.22	0.05	10,908
2044	3.60	23.8	23.3	52.4	0.09	0.39	7.04	7.43	0.36	1.68	2.04	—	13,894	13,894	0.36	0.30	0.06	13,993
2045	3.55	23.8	23.1	52.2	0.09	0.37	7.04	7.41	0.34	1.68	2.02	—	13,861	13,861	0.36	0.30	0.05	13,960
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	6.68	5.61	28.4	53.6	0.18	1.15	4.59	5.73	1.06	1.23	2.28	—	20,059	20,059	0.80	0.19	0.13	20,135
2042	4.98	4.15	22.7	46.1	0.13	0.77	5.02	5.78	0.71	1.29	2.00	—	15,996	15,996	0.58	0.20	0.49	16,071
2043	1.99	1.72	12.0	28.3	0.05	0.22	3.95	4.17	0.20	0.94	1.14	—	7,776	7,776	0.21	0.16	0.63	7,828
2044	2.32	10.7	14.7	33.9	0.06	0.25	4.54	4.79	0.23	1.08	1.31	—	9,074	9,074	0.24	0.19	0.61	9,138
2045	2.53	17.0	16.5	37.7	0.06	0.26	4.94	5.21	0.24	1.18	1.42	—	9,945	9,945	0.26	0.21	0.56	10,016
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	1.22	1.02	5.18	9.78	0.03	0.21	0.84	1.05	0.19	0.22	0.42	—	3,321	3,321	0.13	0.03	0.02	3,334
2042	0.91	0.76	4.15	8.41	0.02	0.14	0.92	1.06	0.13	0.24	0.37	—	2,648	2,648	0.10	0.03	0.08	2,661
2043	0.36	0.31	2.19	5.17	0.01	0.04	0.72	0.76	0.04	0.17	0.21	—	1,287	1,287	0.03	0.03	0.10	1,296
2044	0.42	1.95	2.68	6.19	0.01	0.05	0.83	0.87	0.04	0.20	0.24	—	1,502	1,502	0.04	0.03	0.10	1,513
2045	0.46	3.10	3.01	6.88	0.01	0.05	0.90	0.95	0.04	0.22	0.26	—	1,647	1,647	0.04	0.04	0.09	1,658

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	3.73	3.69	19.4	191	0.35	0.71	9.11	9.82	0.71	2.50	3.21	—	38,356	38,356	1.52	0.36	0.53	38,501
2042	3.73	3.68	19.4	191	0.35	0.71	9.11	9.82	0.71	2.50	3.21	—	38,347	38,347	1.52	0.36	2.41	38,491
2043	1.80	1.51	7.76	48.3	0.07	0.18	5.62	5.80	0.17	1.34	1.51	—	11,191	11,191	0.28	0.22	2.03	11,265
2044	2.19	6.15	11.4	63.1	0.09	0.23	7.04	7.27	0.22	1.68	1.90	—	14,332	14,332	0.36	0.30	2.16	14,433
2045	2.17	6.13	11.3	63.1	0.09	0.23	7.04	7.26	0.22	1.68	1.90	—	14,297	14,297	0.36	0.29	1.82	14,394

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	3.73	3.68	19.4	190	0.35	0.71	9.11	9.82	0.71	2.50	3.21	—	38,295	38,295	1.52	0.36	0.01	38,440
2042	3.73	3.68	19.4	190	0.35	0.71	9.11	9.82	0.71	2.50	3.21	—	38,286	38,286	1.52	0.36	0.06	38,430
2043	1.62	1.50	7.83	45.3	0.07	0.18	5.62	5.80	0.17	1.34	1.51	—	10,835	10,835	0.29	0.22	0.05	10,908
2044	2.18	6.13	11.5	59.3	0.09	0.23	7.04	7.27	0.22	1.68	1.90	—	13,894	13,894	0.36	0.30	0.06	13,993
2045	2.16	6.12	11.4	59.3	0.09	0.23	7.04	7.26	0.22	1.68	1.90	—	13,861	13,861	0.36	0.30	0.05	13,960
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	1.95	1.93	10.1	100	0.18	0.37	4.59	4.96	0.37	1.23	1.60	—	20,059	20,059	0.80	0.19	0.13	20,135
2042	1.87	1.73	9.05	76.1	0.13	0.29	5.02	5.30	0.28	1.29	1.58	—	15,996	15,996	0.58	0.20	0.49	16,071
2043	1.16	1.07	5.58	32.7	0.05	0.13	3.95	4.07	0.12	0.94	1.06	—	7,776	7,776	0.21	0.16	0.63	7,828
2044	1.38	3.00	7.12	38.7	0.06	0.15	4.54	4.69	0.14	1.08	1.23	—	9,074	9,074	0.24	0.19	0.61	9,138
2045	1.54	4.37	8.16	42.8	0.06	0.16	4.94	5.11	0.16	1.18	1.34	—	9,945	9,945	0.26	0.21	0.56	10,016
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	0.36	0.35	1.85	18.3	0.03	0.07	0.84	0.90	0.07	0.22	0.29	—	3,321	3,321	0.13	0.03	0.02	3,334
2042	0.34	0.32	1.65	13.9	0.02	0.05	0.92	0.97	0.05	0.24	0.29	—	2,648	2,648	0.10	0.03	0.08	2,661
2043	0.21	0.20	1.02	5.97	0.01	0.02	0.72	0.74	0.02	0.17	0.19	—	1,287	1,287	0.03	0.03	0.10	1,296
2044	0.25	0.55	1.30	7.06	0.01	0.03	0.83	0.86	0.03	0.20	0.22	—	1,502	1,502	0.04	0.03	0.10	1,513
2045	0.28	0.80	1.49	7.81	0.01	0.03	0.90	0.93	0.03	0.22	0.24	—	1,647	1,647	0.04	0.04	0.09	1,658

3. Construction Emissions Details

3.1. Site Preparation (2041) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.66	2.24	10.5	23.2	0.07	0.40	—	0.40	0.36	—	0.36	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.66	2.24	10.5	23.2	0.07	0.40	—	0.40	0.36	—	0.36	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.53	2.50	5.53	0.02	0.09	—	0.09	0.09	—	0.09	—	1,688	1,688	0.07	0.01	—	1,694
Dust From Material Movement	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.46	1.01	< 0.005	0.02	—	0.02	0.02	—	0.02	—	279	279	0.01	< 0.005	—	280

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.72	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	258	258	< 0.005	< 0.005	0.14	259
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	98.6	98.6	< 0.005	0.02	0.03	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.55	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	238	238	< 0.005	< 0.005	< 0.005	238
Vendor	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	98.7	98.7	< 0.005	0.02	< 0.005	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.4	57.4	< 0.005	< 0.005	0.01	57.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.5	23.5	< 0.005	< 0.005	< 0.005	24.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.50	9.50	< 0.005	< 0.005	< 0.005	9.52
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.89	3.89	< 0.005	< 0.005	< 0.005	4.08
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2041) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.67	3.48	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.67	0.67	3.48	38.4	0.07	0.13	—	0.13	0.13	—	0.13	—	7,083	7,083	0.29	0.06	—	7,107
Dust From Material Movement	—	—	—	—	—	—	0.69	0.69	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	0.83	9.16	0.02	0.03	—	0.03	0.03	—	0.03	—	1,688	1,688	0.07	0.01	—	1,694
Dust From Material Movement	—	—	—	—	—	—	0.16	0.16	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.15	1.67	< 0.005	0.01	—	0.01	0.01	—	0.01	—	279	279	0.01	< 0.005	—	280
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.72	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	258	258	< 0.005	< 0.005	0.14	259
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	98.6	98.6	< 0.005	0.02	0.03	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.55	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	238	238	< 0.005	< 0.005	< 0.005	238
Vendor	0.01	< 0.005	0.11	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	98.7	98.7	< 0.005	0.02	< 0.005	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.4	57.4	< 0.005	< 0.005	0.01	57.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	23.5	23.5	< 0.005	< 0.005	< 0.005	24.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.50	9.50	< 0.005	< 0.005	< 0.005	9.52
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.89	3.89	< 0.005	< 0.005	< 0.005	4.08
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2041) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	12.5	10.5	53.7	98.5	0.34	2.20	—	2.20	2.02	—	2.02	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	12.5	10.5	53.7	98.5	0.34	2.20	—	2.20	2.02	—	2.02	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.97	5.01	25.6	47.0	0.16	1.05	—	1.05	0.97	—	0.97	—	17,794	17,794	0.72	0.14	—	17,855
Dust From Material Movement	—	—	—	—	—	—	3.87	3.87	—	1.08	1.08	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.09	0.91	4.68	8.58	0.03	0.19	—	0.19	0.18	—	0.18	—	2,946	2,946	0.12	0.02	—	2,956
Dust From Material Movement	—	—	—	—	—	—	0.71	0.71	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.08	2.17	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	775	775	< 0.005	< 0.005	0.43	777
Vendor	0.02	0.01	0.32	0.13	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	315	315	0.01	0.05	0.11	330
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.08	1.64	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	714	714	0.01	< 0.005	0.01	715
Vendor	0.02	0.01	0.34	0.13	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	316	316	0.01	0.05	< 0.005	331
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.82	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	345	345	< 0.005	< 0.005	0.09	346
Vendor	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	151	151	< 0.005	0.02	0.02	158
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	57.1	57.1	< 0.005	< 0.005	0.01	57.2
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.9	24.9	< 0.005	< 0.005	< 0.005	26.1

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2041) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.58	3.57	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.58	3.57	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.71	1.71	9.06	90.1	0.16	0.34	—	0.34	0.34	—	0.34	—	17,794	17,794	0.72	0.14	—	17,855

Dust From Material Movement	—	—	—	—	—	—	3.87	3.87	—	1.08	1.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	1.65	16.4	0.03	0.06	—	0.06	0.06	—	0.06	—	2,946	2,946	0.12	0.02	—	2,956
Dust From Material Movement	—	—	—	—	—	—	0.71	0.71	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.08	2.17	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	775	775	< 0.005	< 0.005	0.43	777
Vendor	0.02	0.01	0.32	0.13	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	315	315	0.01	0.05	0.11	330
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.08	1.64	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	714	714	0.01	< 0.005	0.01	715
Vendor	0.02	0.01	0.34	0.13	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	316	316	0.01	0.05	< 0.005	331
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.82	0.00	0.00	0.41	0.41	0.00	0.10	0.10	—	345	345	< 0.005	< 0.005	0.09	346
Vendor	0.01	< 0.005	0.16	0.06	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	151	151	< 0.005	0.02	0.02	158
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	57.1	57.1	< 0.005	< 0.005	0.01	57.2
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.9	24.9	< 0.005	< 0.005	< 0.005	26.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2042) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	12.4	10.4	52.0	96.6	0.34	2.12	—	2.12	1.95	—	1.95	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	12.4	10.4	52.0	96.6	0.34	2.12	—	2.12	1.95	—	1.95	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.70	3.11	15.6	28.9	0.10	0.63	—	0.63	0.58	—	0.58	—	11,158	11,158	0.45	0.09	—	11,196
Dust From Material Movement	—	—	—	—	—	—	2.42	2.42	—	0.68	0.68	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	2.84	5.28	0.02	0.12	—	0.12	0.11	—	0.11	—	1,847	1,847	0.07	0.01	—	1,854
Dust From Material Movement	—	—	—	—	—	—	0.44	0.44	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.08	2.14	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	771	771	< 0.005	< 0.005	0.36	773
Vendor	0.02	0.01	0.31	0.13	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	310	310	0.01	0.05	0.09	324
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.08	1.60	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	710	710	0.01	< 0.005	0.01	712
Vendor	0.02	0.01	0.33	0.13	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	310	310	0.01	0.05	< 0.005	325
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.50	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	215	215	< 0.005	< 0.005	0.05	216

Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	92.7	92.7	< 0.005	0.01	0.01	97.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.09	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	35.6	35.6	< 0.005	< 0.005	0.01	35.7
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.4	15.4	< 0.005	< 0.005	< 0.005	16.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2042) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.58	3.57	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.58	3.57	19.0	189	0.34	0.71	—	0.71	0.71	—	0.71	—	37,266	37,266	1.51	0.30	—	37,394
Dust From Material Movement	—	—	—	—	—	—	8.09	8.09	—	2.26	2.26	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	1.07	5.68	56.5	0.10	0.21	—	0.21	0.21	—	0.21	—	11,158	11,158	0.45	0.09	—	11,196
Dust From Material Movement	—	—	—	—	—	—	2.42	2.42	—	0.68	0.68	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.04	10.3	0.02	0.04	—	0.04	0.04	—	0.04	—	1,847	1,847	0.07	0.01	—	1,854
Dust From Material Movement	—	—	—	—	—	—	0.44	0.44	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.08	2.14	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	771	771	< 0.005	< 0.005	0.36	773
Vendor	0.02	0.01	0.31	0.13	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	310	310	0.01	0.05	0.09	324
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.10	0.08	1.60	0.00	0.00	0.88	0.88	0.00	0.21	0.21	—	710	710	0.01	< 0.005	0.01	712
Vendor	0.02	0.01	0.33	0.13	< 0.005	< 0.005	0.13	0.14	< 0.005	0.04	0.04	—	310	310	0.01	0.05	< 0.005	325

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.50	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	215	215	< 0.005	< 0.005	0.05	216
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	92.7	92.7	< 0.005	0.01	0.01	97.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.09	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	35.6	35.6	< 0.005	< 0.005	0.01	35.7
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.4	15.4	< 0.005	< 0.005	< 0.005	16.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2042) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.19	1.83	15.4	29.6	0.06	0.31	—	0.31	0.28	—	0.28	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.19	1.83	15.4	29.6	0.06	0.31	—	0.31	0.28	—	0.28	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.91	0.76	6.39	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,365	2,365	0.10	0.02	—	2,373
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	1.17	2.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	392	392	0.02	< 0.005	—	393
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.57	0.46	12.6	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,538	4,538	0.03	0.03	2.13	4,549
Vendor	0.06	0.03	1.00	0.41	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	987	987	0.02	0.16	0.28	1,034
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.56	0.47	9.42	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,180	4,180	0.04	0.03	0.06	4,188
Vendor	0.05	0.03	1.05	0.42	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	988	988	0.02	0.16	0.01	1,035
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.23	0.20	4.11	0.00	0.00	2.12	2.12	0.00	0.50	0.50	—	1,756	1,756	0.01	0.01	0.38	1,760
Vendor	0.02	0.01	0.43	0.17	< 0.005	< 0.005	0.17	0.18	< 0.005	0.05	0.05	—	410	410	0.01	0.07	0.05	429
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.04	0.75	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	291	291	< 0.005	< 0.005	0.06	291
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	67.8	67.8	< 0.005	0.01	0.01	71.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2042) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.31	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.31	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.38	2.62	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,365	2,365	0.10	0.02	—	2,373
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.48	2.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	392	392	0.02	< 0.005	—	393
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.57	0.46	12.6	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,538	4,538	0.03	0.03	2.13	4,549
Vendor	0.06	0.03	1.00	0.41	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	987	987	0.02	0.16	0.28	1,034
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.56	0.47	9.42	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,180	4,180	0.04	0.03	0.06	4,188
Vendor	0.05	0.03	1.05	0.42	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	988	988	0.02	0.16	0.01	1,035
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.23	0.20	4.11	0.00	0.00	2.12	2.12	0.00	0.50	0.50	—	1,756	1,756	0.01	0.01	0.38	1,760
Vendor	0.02	0.01	0.43	0.17	< 0.005	< 0.005	0.17	0.18	< 0.005	0.05	0.05	—	410	410	0.01	0.07	0.05	429
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.04	0.75	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	291	291	< 0.005	< 0.005	0.06	291
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	67.8	67.8	< 0.005	0.01	0.01	71.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2043) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.18	1.82	15.3	29.5	0.06	0.30	—	0.30	0.27	—	0.27	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.18	1.82	15.3	29.5	0.06	0.30	—	0.30	0.27	—	0.27	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	1.30	10.9	21.1	0.04	0.21	—	0.21	0.19	—	0.19	—	4,072	4,072	0.17	0.03	—	4,086
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	1.99	3.85	0.01	0.04	—	0.04	0.04	—	0.04	—	674	674	0.03	0.01	—	677
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.73	0.56	0.46	12.3	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,519	4,519	0.03	0.03	1.81	4,529
Vendor	0.06	0.03	0.99	0.41	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	970	970	0.02	0.15	0.22	1,015
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.55	0.47	9.22	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,162	4,162	0.04	0.03	0.05	4,171

Vendor	0.05	0.03	1.05	0.42	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	972	972	0.02	0.15	0.01	1,016
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.39	0.34	6.94	0.00	0.00	3.65	3.65	0.00	0.85	0.85	—	3,010	3,010	0.03	0.02	0.56	3,017
Vendor	0.04	0.02	0.74	0.30	0.01	0.01	0.30	0.31	0.01	0.09	0.09	—	694	694	0.02	0.10	0.07	725
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	1.27	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	498	498	< 0.005	< 0.005	0.09	499
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	115	115	< 0.005	0.02	0.01	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2043) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.31	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.31	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.66	4.51	25.5	0.04	0.12	—	0.12	0.12	—	0.12	—	4,072	4,072	0.17	0.03	—	4,086
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.12	0.82	4.65	0.01	0.02	—	0.02	0.02	—	0.02	—	674	674	0.03	0.01	—	677
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.73	0.56	0.46	12.3	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,519	4,519	0.03	0.03	1.81	4,529
Vendor	0.06	0.03	0.99	0.41	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	970	970	0.02	0.15	0.22	1,015
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.55	0.47	9.22	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,162	4,162	0.04	0.03	0.05	4,171
Vendor	0.05	0.03	1.05	0.42	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	972	972	0.02	0.15	0.01	1,016
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.39	0.34	6.94	0.00	0.00	3.65	3.65	0.00	0.85	0.85	—	3,010	3,010	0.03	0.02	0.56	3,017
Vendor	0.04	0.02	0.74	0.30	0.01	0.01	0.30	0.31	0.01	0.09	0.09	—	694	694	0.02	0.10	0.07	725
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	1.27	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	498	498	< 0.005	< 0.005	0.09	499

Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	115	115	< 0.005	0.02	0.01	120
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2044) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.16	1.80	15.1	29.4	0.06	0.28	—	0.28	0.26	—	0.26	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.16	1.80	15.1	29.4	0.06	0.28	—	0.28	0.26	—	0.26	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.54	1.29	10.8	21.1	0.04	0.20	—	0.20	0.19	—	0.19	—	4,084	4,084	0.17	0.03	—	4,098
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.24	1.98	3.85	0.01	0.04	—	0.04	0.03	—	0.03	—	676	676	0.03	0.01	—	678
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.54	0.46	12.1	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,503	4,503	0.03	0.03	1.54	4,513
Vendor	0.06	0.03	0.98	0.40	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	956	956	0.02	0.15	0.18	1,000
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.53	0.47	9.03	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,147	4,147	0.03	0.03	0.04	4,156
Vendor	0.05	0.03	1.04	0.41	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	958	958	0.02	0.15	< 0.005	1,002
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.38	0.34	6.83	0.00	0.00	3.66	3.66	0.00	0.86	0.86	—	3,007	3,007	0.02	0.02	0.47	3,014
Vendor	0.04	0.02	0.74	0.29	0.01	0.01	0.30	0.31	0.01	0.09	0.09	—	685	685	0.02	0.10	0.06	717
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	1.25	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	498	498	< 0.005	< 0.005	0.08	499
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	113	113	< 0.005	0.02	0.01	119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2044) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.01	0.92	6.31	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.31	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.66	4.52	25.5	0.04	0.12	—	0.12	0.12	—	0.12	—	4,084	4,084	0.17	0.03	—	4,098
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.12	0.83	4.66	0.01	0.02	—	0.02	0.02	—	0.02	—	676	676	0.03	0.01	—	678
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.54	0.46	12.1	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,503	4,503	0.03	0.03	1.54	4,513
Vendor	0.06	0.03	0.98	0.40	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	956	956	0.02	0.15	0.18	1,000
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.53	0.47	9.03	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,147	4,147	0.03	0.03	0.04	4,156

Vendor	0.05	0.03	1.04	0.41	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	958	958	0.02	0.15	< 0.005	1,002
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.38	0.34	6.83	0.00	0.00	3.66	3.66	0.00	0.86	0.86	—	3,007	3,007	0.02	0.02	0.47	3,014
Vendor	0.04	0.02	0.74	0.29	0.01	0.01	0.30	0.31	0.01	0.09	0.09	—	685	685	0.02	0.10	0.06	717
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	1.25	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	498	498	< 0.005	< 0.005	0.08	499
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	113	113	< 0.005	0.02	0.01	119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2045) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	1.79	15.0	29.2	0.06	0.27	—	0.27	0.25	—	0.25	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.14	1.79	15.0	29.2	0.06	0.27	—	0.27	0.25	—	0.25	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.53	1.28	10.7	20.9	0.04	0.19	—	0.19	0.18	—	0.18	—	4,072	4,072	0.17	0.03	—	4,086
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	1.95	3.81	0.01	0.04	—	0.04	0.03	—	0.03	—	674	674	0.03	0.01	—	677
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.53	0.46	12.0	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,488	4,488	0.03	0.02	1.30	4,495
Vendor	0.06	0.03	0.97	0.40	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	944	944	0.02	0.15	0.15	988
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.53	0.46	9.02	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,134	4,134	0.03	0.03	0.03	4,143
Vendor	0.05	0.03	1.02	0.41	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	946	946	0.02	0.15	< 0.005	990
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.37	0.34	6.79	0.00	0.00	3.65	3.65	0.00	0.85	0.85	—	2,990	2,990	0.02	0.02	0.40	2,996
Vendor	0.04	0.02	0.73	0.29	0.01	0.01	0.30	0.31	0.01	0.09	0.09	—	675	675	0.02	0.10	0.05	706
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	1.24	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	495	495	< 0.005	< 0.005	0.07	496

Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	112	112	< 0.005	0.02	0.01	117
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2045) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.31	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.92	6.31	35.7	0.06	0.17	—	0.17	0.16	—	0.16	—	5,701	5,701	0.23	0.05	—	5,721
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.66	4.51	25.5	0.04	0.12	—	0.12	0.12	—	0.12	—	4,072	4,072	0.17	0.03	—	4,086
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.12	0.82	4.65	0.01	0.02	—	0.02	0.02	—	0.02	—	674	674	0.03	0.01	—	677
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.53	0.46	12.0	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,488	4,488	0.03	0.02	1.30	4,495
Vendor	0.06	0.03	0.97	0.40	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	944	944	0.02	0.15	0.15	988
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.53	0.46	9.02	0.00	0.00	5.19	5.19	0.00	1.22	1.22	—	4,134	4,134	0.03	0.03	0.03	4,143
Vendor	0.05	0.03	1.02	0.41	0.01	0.01	0.42	0.44	0.01	0.12	0.13	—	946	946	0.02	0.15	< 0.005	990
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.37	0.34	6.79	0.00	0.00	3.65	3.65	0.00	0.85	0.85	—	2,990	2,990	0.02	0.02	0.40	2,996
Vendor	0.04	0.02	0.73	0.29	0.01	0.01	0.30	0.31	0.01	0.09	0.09	—	675	675	0.02	0.10	0.05	706
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	1.24	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	495	495	< 0.005	< 0.005	0.07	496
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	112	112	< 0.005	0.02	0.01	117
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Paving (2044) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.55	0.46	5.11	9.72	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.46	5.11	9.72	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	2.14	4.07	0.01	0.04	—	0.04	0.03	—	0.03	—	633	633	0.03	0.01	—	635
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.39	0.74	< 0.005	0.01	—	0.01	0.01	—	0.01	—	105	105	< 0.005	< 0.005	—	105
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.46	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.06	170
Vendor	0.02	0.01	0.42	0.17	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	413	413	0.01	0.06	0.08	432

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.34	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	157	157	< 0.005	< 0.005	< 0.005	157
Vendor	0.02	0.01	0.45	0.18	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	413	413	0.01	0.06	< 0.005	432
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	66.4	66.4	< 0.005	< 0.005	0.01	66.5
Vendor	0.01	0.01	0.19	0.07	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	173	173	< 0.005	0.03	0.01	181
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	< 0.005	11.0
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.6	28.6	< 0.005	< 0.005	< 0.005	29.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Paving (2044) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.25	2.09	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.25	2.09	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.11	0.88	4.38	0.01	0.02	—	0.02	0.02	—	0.02	—	633	633	0.03	0.01	—	635
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	105	105	< 0.005	< 0.005	—	105
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.46	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	170	170	< 0.005	< 0.005	0.06	170
Vendor	0.02	0.01	0.42	0.17	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	413	413	0.01	0.06	0.08	432
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.34	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	157	157	< 0.005	< 0.005	< 0.005	157

Vendor	0.02	0.01	0.45	0.18	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	413	413	0.01	0.06	< 0.005	432
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	66.4	66.4	< 0.005	< 0.005	0.01	66.5
Vendor	0.01	0.01	0.19	0.07	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	173	173	< 0.005	0.03	0.01	181
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	< 0.005	11.0
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.6	28.6	< 0.005	< 0.005	< 0.005	29.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Paving (2045) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.45	5.07	9.71	0.01	0.08	—	0.08	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.45	5.07	9.71	0.01	0.08	—	0.08	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	3.62	6.94	0.01	0.05	—	0.05	0.05	—	0.05	—	1,079	1,079	0.04	0.01	—	1,083
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.66	1.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	179
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.05	170
Vendor	0.02	0.01	0.42	0.17	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	407	407	0.01	0.06	0.06	426
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.34	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	156	156	< 0.005	< 0.005	< 0.005	156
Vendor	0.02	0.01	0.44	0.18	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	408	408	0.01	0.06	< 0.005	427
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.26	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	0.02	113
Vendor	0.02	0.01	0.31	0.13	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	291	291	0.01	0.04	0.02	305

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	18.7	18.7	< 0.005	< 0.005	< 0.005	18.7
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	48.2	48.2	< 0.005	0.01	< 0.005	50.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Paving (2045) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.25	2.09	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.25	2.09	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.18	1.49	7.47	0.01	0.03	—	0.03	0.03	—	0.03	—	1,079	1,079	0.04	0.01	—	1,083
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.27	1.36	< 0.005	0.01	—	0.01	0.01	—	0.01	—	179	179	0.01	< 0.005	—	179
Paving	—	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.45	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	169	169	< 0.005	< 0.005	0.05	170
Vendor	0.02	0.01	0.42	0.17	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	407	407	0.01	0.06	0.06	426
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.34	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	156	156	< 0.005	< 0.005	< 0.005	156
Vendor	0.02	0.01	0.44	0.18	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	408	408	0.01	0.06	< 0.005	427
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.26	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	113	113	< 0.005	< 0.005	0.02	113
Vendor	0.02	0.01	0.31	0.13	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	291	291	0.01	0.04	0.02	305
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	18.7	18.7	< 0.005	< 0.005	< 0.005	18.7
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	48.2	48.2	< 0.005	0.01	< 0.005	50.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Architectural Coating (2044) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	20.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	20.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.41	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	74.6	74.6	< 0.005	< 0.005	—	74.8
Architectural Coatings	—	8.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Architectural Coatings	—	1.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.09	2.41	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	901	901	0.01	0.01	0.31	903
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.09	1.81	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	829	829	0.01	0.01	0.01	831
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.80	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	352	352	< 0.005	< 0.005	0.06	352
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	58.2	58.2	< 0.005	< 0.005	0.01	58.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Architectural Coating (2044) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	4.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	4.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.41	0.61	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	74.6	74.6	< 0.005	< 0.005	—	74.8
Architectural Coatings	—	1.74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.3	12.3	< 0.005	< 0.005	—	12.4
Architectural Coatings	—	0.32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.09	2.41	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	901	901	0.01	0.01	0.31	903
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.09	1.81	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	829	829	0.01	0.01	0.01	831
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.04	0.80	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	352	352	< 0.005	< 0.005	0.06	352
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	58.2	58.2	< 0.005	< 0.005	0.01	58.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Architectural Coating (2045) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	20.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	20.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	1.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	127	127	0.01	< 0.005	—	128
Architectural Coatings	—	14.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.1	21.1	< 0.005	< 0.005	—	21.1
Architectural Coatings	—	2.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.09	2.41	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	898	898	0.01	< 0.005	0.26	899
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.09	1.80	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	827	827	0.01	0.01	0.01	829
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	1.36	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	598	598	< 0.005	< 0.005	0.08	599
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.25	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	99.0	99.0	< 0.005	< 0.005	0.01	99.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Architectural Coating (2045) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	4.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.99	1.46	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	4.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.71	1.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	127	127	0.01	< 0.005	—	128
Architectural Coatings	—	2.96	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	0.19	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.1	21.1	< 0.005	< 0.005	—	21.1
Architectural Coatings	—	0.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.09	2.41	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	898	898	0.01	< 0.005	0.26	899
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.09	1.80	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	827	827	0.01	0.01	0.01	829
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	1.36	0.00	0.00	0.73	0.73	0.00	0.17	0.17	—	598	598	< 0.005	< 0.005	0.08	599
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.25	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	99.0	99.0	< 0.005	< 0.005	0.01	99.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2041	5/1/2041	5.00	87.0	—
Grading	Grading	5/2/2041	6/2/2042	5.00	283	—
Building Construction	Building Construction	6/3/2042	12/31/2045	5.00	934	—
Paving	Paving	6/1/2044	12/31/2045	5.00	413	—
Architectural Coating	Architectural Coating	6/1/2044	12/31/2045	5.00	413	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Crawler Tractors	Diesel	Average	5.00	8.00	87.0	0.43
Site Preparation	Off-Highway Trucks	Diesel	Average	4.00	8.00	376	0.38
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	14.0	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Off-Highway Trucks	Diesel	Average	4.00	8.00	376	0.38
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	7.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	7.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	5.00	8.00	87.0	0.43
Site Preparation	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	376	0.38
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41

Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	14.0	8.00	423	0.48
Grading	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Grading	Off-Highway Trucks	Diesel	Tier 4 Final	4.00	8.00	376	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	7.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	7.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	5.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	67.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	16.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT

Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	397	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	51.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	22.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	79.5	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	5.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	67.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	16.0	10.2	HHDT,MHDT

Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	397	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	51.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	22.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	79.5	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	2,694,445	898,148	75,243	25,081	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	218	0.00	—
Grading	—	—	5,094	0.00	—
Paving	0.00	0.00	0.00	0.00	6.03

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	6.03	0%
Apartments Low Rise	—	0%
Elementary School	0.00	0%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2041	0.00	532	0.03	< 0.005
2042	0.00	532	0.03	< 0.005
2043	0.00	532	0.03	< 0.005
2044	0.00	532	0.03	< 0.005

2045	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	28.1	annual days of extreme heat
Extreme Precipitation	3.90	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	29.1	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	1	1	3
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	99.1
AQ-PM	50.3
AQ-DPM	35.7
Drinking Water	55.1
Lead Risk Housing	1.83
Pesticides	31.6
Toxic Releases	45.3
Traffic	50.9
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	47.4
Haz Waste Facilities/Generators	79.2
Impaired Water Bodies	12.5
Solid Waste	52.9
Sensitive Population	—
Asthma	55.5
Cardio-vascular	84.1
Low Birth Weights	55.4
Socioeconomic Factor Indicators	—
Education	51.2
Housing	6.89
Linguistic	21.4
Poverty	14.5
Unemployment	9.72

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	72.12883357
Employed	95.58578211
Median HI	89.34941614
Education	—
Bachelor's or higher	68.75401001
High school enrollment	100
Preschool enrollment	38.32926986
Transportation	—
Auto Access	98.98626973
Active commuting	3.195175157
Social	—
2-parent households	82.43295265
Voting	49.26215835
Neighborhood	—
Alcohol availability	93.77646606
Park access	6.441678429
Retail density	5.338123957
Supermarket access	15.96304376
Tree canopy	5.954061337
Housing	—
Homeownership	95.7141024
Housing habitability	96.52252021
Low-inc homeowner severe housing cost burden	60.52867958
Low-inc renter severe housing cost burden	94.8671885
Uncrowded housing	70.21686129

Health Outcomes	—
Insured adults	76.20941871
Arthritis	0.0
Asthma ER Admissions	51.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	61.7
Cognitively Disabled	96.9
Physically Disabled	80.2
Heart Attack ER Admissions	11.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	2.1
SLR Inundation Area	0.0

Children	1.2
Elderly	85.6
English Speaking	87.3
Foreign-born	32.8
Outdoor Workers	85.1
Climate Change Adaptive Capacity	—
Impervious Surface Cover	90.3
Traffic Density	52.9
Traffic Access	23.0
Other Indices	—
Hardship	24.0
Other Decision Support	—
2016 Voting	68.8

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	78.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction schedule adjusted based on data from the Project team.
Construction: Off-Road Equipment	All equipment will operate 8 hours per day. Crawler tractors assumed in lieu of tractors/loaders/backhoes during site preparation and grading in order to account for fugitive dust.
Construction: Trips and VMT	Vendor trips assigned to site preparation, grading, building construction, and paving based on the duration of each phase.
Construction: Architectural Coatings	Rule 1113

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APPENDIX 2.2:

EMFAC EMISSIONS SUMMARY

Without Mitigation

Emissions	Phase	Lb/Day	# Days	Emissions	Avg/Lb Day	Avg/Hourly
On-Site	Ph1 Site Preparation	1.19	45	53.55	1.19	0.14875
Exhaust PM-10	Ph1 Grading	5.69	196	1114.26	5.685	0.710625
	Ph1 Building Construction	0.69	372	256.68	0.69	0.08625
	Ph1 Paving	0.25	195	48.75	0.25	0.03125
	Ph1 Architectural Coating	0.03	195	5.85	0.03	0.00375
	Ph2 Site Preparation	0.80	34	27.2	0.8	0.1
	Ph2 Grading	4.16	161	669.76	4.16	0.52
	Ph2 Building Construction	0.52	586	304.72	0.52	0.065
	Ph2 Paving	0.18	166	29.88	0.18	0.0225
	Ph2 Architectural Coating	0.01	183	1.83	0.01	0.00125
	Ph3 Site Preparation	0.68	132	89.76	0.68	0.085
	Ph3 Grading	3.30	348	1149.56	3.303333333	0.412916667
	Ph3 Building Construction	0.51	1000	512.5	0.5125	0.0640625
	Ph3 Paving	0.18	415	74.7	0.18	0.0225
	Ph3 Architectural Coating	0.01	415	4.15	0.01	0.00125
	Ph4 Site Preparation	0.49	108	52.92	0.49	0.06125
	Ph4 Grading	2.60	328	851.16	2.595	0.324375
	Ph4 Building Construction	0.33	607	202.3333333	0.333333333	0.041666667
	Ph4 Paving	0.11	414	45.54	0.11	0.01375
	Ph4 Architectural Coating	0.01	414	4.14	0.01	0.00125
	Ph5 Site Preparation	0.40	87	34.8	0.4	0.05
	Ph5 Grading	2.16	283	611.28	2.16	0.27
	Ph5 Building Construction	0.29	934	270.86	0.29	0.03625
	Ph5 Paving	0.09	413	35.105	0.085	0.010625
	Ph5 Architectural Coating	0.01	413	4.13	0.01	0.00125
		24.68	5088	6455.418333	1.268753603	0.1585942
Off-Site	Ph1 Site Preparation	1.00E-02	45	0.45	0.01	0.00125
Exhaust PM-10	Ph1 Grading	4.00E-02	196	7.84	0.04	0.005
	Ph1 Building Construction	7.00E-02	372	26.04	0.07	0.00875
	Ph1 Paving	4.00E-02	195	7.8	0.04	0.005
	Ph1 Architectural Coating	0.00E+00	195	0	0	0
	Ph2 Site Preparation	5.00E-03	34	0.17	0.005	0.000625
	Ph2 Grading	2.00E-02	161	3.22	0.02	0.0025
	Ph2 Building Construction	6.67E-02	586	39.06666667	0.066666667	0.008333333
	Ph2 Paving	1.00E-02	166	1.66	0.01	0.00125
	Ph2 Architectural Coating	0.00E+00	183	0	0	0
	Ph3 Site Preparation	1.00E-02	132	1.32	0.01	0.00125
	Ph3 Grading	1.00E-02	348	3.48	0.01	0.00125
	Ph3 Building Construction	4.00E-02	1000	40	0.04	0.005
	Ph3 Paving	2.00E-02	415	8.3	0.02	0.0025
	Ph3 Architectural Coating	0.00E+00	415	0	0	0
	Ph4 Site Preparation	5.00E-03	108	0.54	0.005	0.000625
	Ph4 Grading	1.00E-02	328	3.28	0.01	0.00125
	Ph4 Building Construction	1.00E-02	607	6.07	0.01	0.00125
	Ph4 Paving	1.00E-02	414	4.14	0.01	0.00125
	Ph4 Architectural Coating	0.00E+00	414	0	0	0
	Ph5 Site Preparation	5.00E-03	87	0.435	0.005	0.000625
	Ph5 Grading	5.00E-03	283	1.415	0.005	0.000625
	Ph5 Building Construction	1.00E-02	934	9.34	0.01	0.00125
	Ph5 Paving	5.00E-03	413	2.065	0.005	0.000625
	Ph5 Architectural Coating	0.00E+00	413	0	0	0
		4.02E-01	5088	166.6316667	0.032749934	0.004093742

	Phase	Start Date	End Date	No. Days
	Ph1 Site Preparation	7/1/2026	9/1/2026	45
	Ph1 Grading	9/2/2026	6/2/2027	196
	Ph1 Building Construction	6/3/2027	11/3/2028	372
	Ph1 Paving	11/4/2028	8/4/2029	195
	Ph1 Architectural Coating	8/5/2029	5/5/2030	195
	Ph2 Site Preparation	5/6/2030	6/20/2030	34
	Ph2 Grading	6/21/2030	2/1/2031	161
	Ph2 Building Construction	2/2/2031	5/2/2033	586
	Ph2 Paving	5/3/2033	12/20/2033	166
	Ph2 Architectural Coating	12/21/2033	9/1/2034	183
	Ph3 Site Preparation	5/1/2033	11/1/2033	132
	Ph3 Grading	11/2/2033	3/2/2035	348
	Ph3 Building Construction	3/3/2035	12/31/2038	1000
	Ph3 Paving	6/1/2037	12/31/2038	415
	Ph3 Architectural Coating	6/1/2037	12/31/2038	415
	Ph4 Site Preparation	1/1/2037	6/1/2037	108
	Ph4 Grading	6/2/2037	9/2/2038	328
	Ph4 Building Construction	9/3/2038	12/31/2040	607
	Ph4 Paving	6/1/2039	12/31/2040	414
	Ph4 Architectural Coating	6/1/2039	12/31/2040	414
	Ph5 Site Preparation	1/1/2041	5/1/2041	87
	Ph5 Grading	5/2/2041	6/2/2042	283
	Ph5 Building Construction	6/3/2042	12/31/2045	934
	Ph5 Paving	6/1/2044	12/31/2045	413
	Ph5 Architectural Coating	6/1/2044	12/31/2045	413
			Total Days of Construction	**5088**

With Mitigation

Emissions	Phase	Lb/Day	# Days	Emissions	Avg/Lb Day	Avg/Hourly
On-Site	Ph1 Site Preparation	0.13	45	5.85	0.13	0.01625
Exhaust PM-10	Ph1 Grading	0.80	196	155.82	0.795	0.099375
	Ph1 Building Construction	0.21	372	76.26	0.205	0.025625
	Ph1 Paving	0.09	195	16.575	0.085	0.010625
	Ph1 Architectural Coating	0.03	195	5.85	0.03	0.00375
	Ph2 Site Preparation	0.13	34	4.42	0.13	0.01625
	Ph2 Grading	0.72	161	115.92	0.72	0.09
	Ph2 Building Construction	0.18	586	105.48	0.18	0.0225
	Ph2 Paving	0.07	166	11.62	0.07	0.00875
	Ph2 Architectural Coating	0.01	183	1.83	0.01	0.00125
	Ph3 Site Preparation	0.13	132	17.16	0.13	0.01625
	Ph3 Grading	0.71	348	247.08	0.71	0.08875
	Ph3 Building Construction	0.23	1000	232.5	0.2325	0.0290625
	Ph3 Paving	0.08	415	33.2	0.08	0.01
	Ph3 Architectural Coating	0.01	415	4.15	0.01	0.00125
	Ph4 Site Preparation	0.13	108	14.04	0.13	0.01625
	Ph4 Grading	0.71	328	232.88	0.71	0.08875
	Ph4 Building Construction	0.17	607	103.19	0.17	0.02125
	Ph4 Paving	0.05	414	20.7	0.05	0.00625
	Ph4 Architectural Coating	0.01	414	4.14	0.01	0.00125
	Ph5 Site Preparation	0.13	87	11.31	0.13	0.01625
	Ph5 Grading	0.71	283	200.93	0.71	0.08875
	Ph5 Building Construction	0.17	934	158.78	0.17	0.02125
	Ph5 Paving	0.04	413	16.52	0.04	0.005
	Ph5 Architectural Coating	0.01	413	4.13	0.01	0.00125
		5.65	5088	1800.335	0.353839426	0.044229928
Off-Site	Ph1 Site Preparation	1.00E-02	45	0.45	0.01	0.00125
Exhaust PM-10	Ph1 Grading	4.00E-02	196	7.84	0.04	0.005
	Ph1 Building Construction	7.00E-02	372	26.04	0.07	0.00875
	Ph1 Paving	4.00E-02	195	7.8	0.04	0.005
	Ph1 Architectural Coating	0.00E+00	195	0	0	0
	Ph2 Site Preparation	5.00E-03	34	0.17	0.005	0.000625
	Ph2 Grading	2.00E-02	161	3.22	0.02	0.0025
	Ph2 Building Construction	6.67E-02	586	39.06666667	0.066666667	0.008333333
	Ph2 Paving	1.00E-02	166	1.66	0.01	0.00125
	Ph2 Architectural Coating	0.00E+00	183	0	0	0
	Ph3 Site Preparation	1.00E-02	132	1.32	0.01	0.00125
	Ph3 Grading	1.00E-02	348	3.48	0.01	0.00125
	Ph3 Building Construction	4.00E-02	1000	40	0.04	0.005
	Ph3 Paving	2.00E-02	415	8.3	0.02	0.0025
	Ph3 Architectural Coating	0.00E+00	415	0	0	0
	Ph4 Site Preparation	5.00E-03	108	0.54	0.005	0.000625
	Ph4 Grading	1.00E-02	328	3.28	0.01	0.00125
	Ph4 Building Construction	1.00E-02	607	6.07	0.01	0.00125
	Ph4 Paving	1.00E-02	414	4.14	0.01	0.00125
	Ph4 Architectural Coating	0.00E+00	414	0	0	0
	Ph5 Site Preparation	5.00E-03	87	0.435	0.005	0.000625
	Ph5 Grading	5.00E-03	283	1.415	0.005	0.000625
	Ph5 Building Construction	1.00E-02	934	9.34	0.01	0.00125
	Ph5 Paving	5.00E-03	413	2.065	0.005	0.000625
	Ph5 Architectural Coating	0.00E+00	413	0	0	0
		4.02E-01	5088	166.6316667	0.032749934	0.004093742

	Phase	Start Date	End Date	No. Days
	Ph1 Site Preparation	7/1/2026	9/1/2026	45
	Ph1 Grading	9/2/2026	6/2/2027	196
	Ph1 Building Construction	6/3/2027	11/3/2028	372
	Ph1 Paving	11/4/2028	8/4/2029	195
	Ph1 Architectural Coating	8/5/2029	5/5/2030	195
	Ph2 Site Preparation	5/6/2030	6/20/2030	34
	Ph2 Grading	6/21/2030	2/1/2031	161
	Ph2 Building Construction	2/2/2031	5/2/2033	586
	Ph2 Paving	5/3/2033	12/20/2033	166
	Ph2 Architectural Coating	12/21/2033	9/1/2034	183
	Ph3 Site Preparation	5/1/2033	11/1/2033	132
	Ph3 Grading	11/2/2033	3/2/2035	348
	Ph3 Building Construction	3/3/2035	12/31/2038	1000
	Ph3 Paving	6/1/2037	12/31/2038	415
	Ph3 Architectural Coating	6/1/2037	12/31/2038	415
	Ph4 Site Preparation	1/1/2037	6/1/2037	108
	Ph4 Grading	6/2/2037	9/2/2038	328
	Ph4 Building Construction	9/3/2038	12/31/2040	607
	Ph4 Paving	6/1/2039	12/31/2040	414
	Ph4 Architectural Coating	6/1/2039	12/31/2040	414
	Ph5 Site Preparation	1/1/2041	5/1/2041	87
	Ph5 Grading	5/2/2041	6/2/2042	283
	Ph5 Building Construction	6/3/2042	12/31/2045	934
	Ph5 Paving	6/1/2044	12/31/2045	413
	Ph5 Architectural Coating	6/1/2044	12/31/2045	413
			Total Days of Construction	**5088**

AVERAGE EMISSION FACTOR
RIVERSIDE COUNTY 2045

Speed	LHD1	LHD2	MHD	HHD
0	0.33523	0.597109	0.007084	0.00964
5	0.01681	0.041473	0.003959	0.00995
25	0.009162	0.022022	0.001468	0.00448

Speed	**Weighted Average Emissions**
0	**0.09995**
5	**0.01183**
25	**0.00574**

Truck Emission Rates							
Source	Trucks Per Day	VMT [a] (miles/day)	Truck Emission Rate [b] (grams/mile)	Truck Emission Rate [b] (grams/idle-hour)	Daily Truck Emissions [c] (grams/day)	TRU Emissions (grams/day)[d]	Modeled Emission Rates (g/second)
On-Site Idling - PA2 West	132			0.1000	3.29	37.48	4.719E-04
On-Site Idling - PA2 East	132			0.1000	3.29	37.48	4.719E-04
On-Site Idling - PA3A	13			0.1000	0.32	0.00	3.693E-06
On-Site Idling - PA3B	13			0.1000	0.32	0.00	3.693E-06
On-Site Idling - PA4 West	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA4 East	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA5 West	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA5 East	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA6 West	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA6 East	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA7 West	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA7 East	37			0.1000	0.93	0.00	1.077E-05
On-Site Idling - PA8	74			0.1000	1.86	0.00	2.154E-05
On-Site Idling - PA2 TTP	263			0.1000	2.19	0.00	2.535E-05
On-Site Idling - PA4 TTP West	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA4 TTP East	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA5 TTP West	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA5 TTP East	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA6 TTP West	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA6 TTP East	37			0.1000	0.31	0.00	3.591E-06
On-Site Idling - PA7 TTP North	19			0.1000	0.16	0.00	1.795E-06
On-Site Idling - PA7 TTP West	19			0.1000	0.16	0.00	1.795E-06
On-Site Idling - PA7 TTP Center	19			0.1000	0.16	0.00	1.795E-06
On-Site Idling - PA7 TTP East	19			0.1000	0.16	0.00	1.795E-06
On-Site Idling - PA8 TTP	74			0.1000	0.62	0.00	7.181E-06
On-Site Travel - PA2	526	391.00	0.0118		4.63	10.81	1.786E-04
On-Site Travel - PA3	51	13.38	0.0118		0.16	0.00	1.831E-06
On-Site Travel - PA4 West	74	23.18	0.0118		0.27	0.00	3.173E-06
On-Site Travel - PA4 East	74	18.35	0.0118		0.22	0.00	2.512E-06
On-Site Travel - PA5 West	74	24.43	0.0118		0.29	0.00	3.345E-06
On-Site Travel - PA5 East	74	24.33	0.0118		0.29	0.00	3.331E-06
On-Site Travel - PA6 West	74	18.12	0.0118		0.21	0.00	2.481E-06
On-Site Travel - PA6 East	74	24.96	0.0118		0.30	0.00	3.418E-06
On-Site Travel - PA7	149	108.64	0.0118		1.29	0.00	1.487E-05
On-Site Travel - PA7 TTP	149	28.36	0.0118		0.34	0.00	3.883E-06
On-Site Travel - PA8	149	45.09	0.0118		0.53	0.00	6.174E-06
Off-Site Travel - Street J/K/L 40% Inbound/Outbound	529	992.35	0.0057		5.70	0.00	6.596E-05
Off-Site Travel - Sandalwood 40% Inbound/Outbound	529	111.88	0.0057		0.64	0.00	7.436E-06
Off-Site Travel - Sandalwood 80% Inbound/Outbound	1,058	67.95	0.0057		0.39	0.00	4.516E-06
Off-Site Travel - Sandalwood 95% Inbound/Outbound	1,256	402.05	0.0057		2.31	0.70	3.480E-05
Off-Site Travel - Roberts 5% Inbound/Outbound	66	8.24	0.0057		0.05	0.05	1.075E-06
Off-Site Travel - Sandalwood 100% Inbound/Outbound	1,322	431.18	0.0057		2.48	0.95	3.964E-05

[a] Vehicle miles traveled are for modeled truck route only.

[b] Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

[c] This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes at loading docks and 5 minutes at parking spaces.

[d] It is assumed that each TRU operates for 2.1 hours while parked at building loading docks.

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatu	relative_hu	process	speed_tim	pollutant	emission_rate
2045	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	5	PM10	0.010469
2045	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	25	PM10	0.004717
2045	Annual	Riverside (	HHDT	Dsl			IDLEX		PM10	0.01014
2045	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.039861
2045	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.021726
2045	Annual	Riverside (	LHDT1	Dsl			IDLEX		PM10	0.794924
2045	Annual	Riverside (	LHDT2	Dsl	60	70	RUNEX	5	PM10	0.054934
2045	Annual	Riverside (	LHDT2	Dsl	60	70	RUNEX	25	PM10	0.029171
2045	Annual	Riverside (	LHDT2	Dsl			IDLEX		PM10	0.790927
2045	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	5	PM10	0.004217
2045	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	25	PM10	0.001563
2045	Annual	Riverside (	MHDT	Dsl			IDLEX		PM10	0.007545

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2045
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar `	Vehicle Ca	Model Yea	Speed	Fuel	Population
Riverside (	2045	HHDT	Aggregate	Aggregate	Gasoline	1.10608
Riverside (	2045	HHDT	Aggregate	Aggregate	Diesel	18839.3
Riverside (	2045	HHDT	Aggregate	Aggregate	Natural Ga	976.409
Riverside (	2045	LHDT1	Aggregate	Aggregate	Gasoline	12009.7
Riverside (	2045	LHDT1	Aggregate	Aggregate	Diesel	8758.02
Riverside (	2045	LHDT2	Aggregate	Aggregate	Gasoline	1472.97
Riverside (	2045	LHDT2	Aggregate	Aggregate	Diesel	4537.91
Riverside (	2045	MHDT	Aggregate	Aggregate	Gasoline	738.281
Riverside (	2045	MHDT	Aggregate	Aggregate	Diesel	11327.8
Riverside (	2045	MHDT	Aggregate	Aggregate	Natural Ga	203.713

HHDT% GAS/NG	0.04933
HHDT% DSL	0.95067
LHDT1% GAS	0.57829
LHDT1% DSL	0.42171
LHDT2% GAS	0.24505
LHDT2% DSL	0.75495
MHDT% GAS	0.06119
MHDT% DSL	0.93881

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APPENDIX 2.3:

AERMOD MODEL INPUT/OUTPUT

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 5/22/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Cons HRA\15218 Cons HRA.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops CO\1
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "15218 Cons HRA.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     489747.400  3762439.330      667.560
   LOCATION VOL2         VOLUME     489755.675  3762095.933      673.800
   LOCATION VOL3         VOLUME     489759.812  3761748.402      658.240
   LOCATION VOL4         VOLUME     489809.459  3761537.400      661.750
   LOCATION VOL5         VOLUME     492762.875  3762007.293      697.380
   LOCATION VOL6         VOLUME     490093.670  3762457.825      658.780
   LOCATION VOL7         VOLUME     490101.945  3762114.428      673.080
   LOCATION VOL8         VOLUME     490106.082  3761766.896      671.530
   LOCATION VOL9         VOLUME     490431.450  3762460.814      657.910
   LOCATION VOL10        VOLUME     490439.725  3762117.417      660.780
   LOCATION VOL11        VOLUME     490443.862  3761769.885      673.800
   LOCATION VOL12        VOLUME     490772.219  3762460.814      634.990
   LOCATION VOL13        VOLUME     490780.494  3762117.417      654.310
   LOCATION VOL14        VOLUME     490784.631  3761769.885      664.820
   LOCATION VOL15        VOLUME     491115.978  3762448.857      656.740
   LOCATION VOL16        VOLUME     491124.252  3762105.460      648.790
   LOCATION VOL17        VOLUME     491128.390  3761757.929      670.310
   LOCATION VOL18        VOLUME     491456.747  3762442.879      677.760
   LOCATION VOL19        VOLUME     491465.021  3762099.482      660.650
   LOCATION VOL20        VOLUME     491469.159  3761751.950      680.180
   LOCATION VOL21        VOLUME     491797.516  3762421.954      680.710
   LOCATION VOL22        VOLUME     491805.791  3762078.557      678.820
   LOCATION VOL23        VOLUME     491809.928  3761731.026      675.580
   LOCATION VOL24        VOLUME     492138.285  3762412.987      670.130
   LOCATION VOL25        VOLUME     492146.560  3762069.590      690.420
   LOCATION VOL26        VOLUME     492150.697  3761722.058      655.700
   LOCATION VOL27        VOLUME     492365.465  3762407.008      681.980
   LOCATION VOL28        VOLUME     492373.739  3762063.611      686.850
   LOCATION VOL29        VOLUME     492377.876  3761716.080      683.000
   LOCATION VOL30        VOLUME     492634.493  3762415.976      683.730
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   LOCATION VOL31        VOLUME     492642.767  3762072.579      683.510
   LOCATION VOL32        VOLUME     492646.905  3761725.047      695.550
   LOCATION VOL33        VOLUME     492942.381  3761722.481      697.180
   LOCATION VOL34        VOLUME     492950.655  3761379.084      688.430
   LOCATION VOL35        VOLUME     492954.793  3761031.552      669.350
   LOCATION VOL36        VOLUME     493426.631  3761722.481      707.000
   LOCATION VOL37        VOLUME     493434.906  3761379.084      683.370
   LOCATION VOL38        VOLUME     493439.043  3761031.552      667.000
   LOCATION VOL39        VOLUME     493184.506  3761716.502      708.040
   LOCATION VOL40        VOLUME     493192.781  3761373.105      684.350
   LOCATION VOL41        VOLUME     493196.918  3761025.574      675.990
   LOCATION VOL42        VOLUME     493517.225  3761598.907      708.390
   LOCATION VOL43        VOLUME     492614.485  3761383.684      692.150
   LOCATION VOL44        VOLUME     492279.695  3761389.662      673.000
   LOCATION VOL45        VOLUME     491944.904  3761392.652      661.050
   LOCATION VOL46        VOLUME     491607.124  3761404.609      629.700
   LOCATION VOL47        VOLUME     491308.204  3761416.565      653.030
   LOCATION VOL48        VOLUME     491508.480  3761329.878      629.000
   LOCATION VOL49        VOLUME     490964.446  3761646.734      670.960
   LOCATION VOL50        VOLUME     490145.404  3761580.971      672.650
   LOCATION VOL51        VOLUME     490480.195  3761682.604      680.120
   LOCATION VOL52        VOLUME     492617.475  3761048.893      706.370
   LOCATION VOL53        VOLUME     492279.695  3761084.764      679.990
   LOCATION VOL54        VOLUME     492190.019  3761231.235      675.300
   LOCATION VOL55        VOLUME     493236.240  3760920.358      666.000
   LOCATION VOL56        VOLUME     493774.296  3761296.997      691.460
   LOCATION VOL57        VOLUME     493771.307  3761007.045      689.790
   LOCATION VOL58        VOLUME     494112.076  3761449.447      709.730
   LOCATION VOL59        VOLUME     494115.065  3761111.667      705.640
   LOCATION VOL60        VOLUME     494103.108  3760935.304      694.220
   LOCATION VOL61        VOLUME     494384.093  3761129.602      722.780
   LOCATION VOL62        VOLUME     494428.931  3760923.347      699.620
   LOCATION VOL63        VOLUME     494611.273  3761010.034      720.230
   LOCATION VOL64        VOLUME     494207.730  3761449.447      714.410
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0005158028
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 494410.336, 3761321.832, 719.97, 3.49, 6.51
** 494440.476, 3761303.910, 719.95, 3.49, 6.51
** 494464.100, 3761294.135, 719.98, 3.49, 6.51
** 494493.427, 3761304.725, 720.80, 3.49, 6.51
** 494565.113, 3761329.978, 724.99, 3.49, 6.51
** 494721.519, 3761391.074, 732.05, 3.49, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000001     VOLUME   494416.352 3761318.254 719.94
   LOCATION L0000002     VOLUME   494428.386 3761311.099 720.10
   LOCATION L0000003     VOLUME   494440.419 3761303.944 720.26
   LOCATION L0000004     VOLUME   494453.351 3761298.583 720.11
   LOCATION L0000005     VOLUME   494466.327 3761294.939 719.96
   LOCATION L0000006     VOLUME   494479.495 3761299.694 720.50
   LOCATION L0000007     VOLUME   494492.662 3761304.449 721.09
   LOCATION L0000008     VOLUME   494505.865 3761309.107 721.61
   LOCATION L0000009     VOLUME   494519.069 3761313.758 722.21
   LOCATION L0000010     VOLUME   494532.274 3761318.410 722.85
   LOCATION L0000011     VOLUME   494545.479 3761323.061 723.85
   LOCATION L0000012     VOLUME   494558.683 3761327.713 724.99
   LOCATION L0000013     VOLUME   494571.804 3761332.592 726.19
   LOCATION L0000014     VOLUME   494584.844 3761337.686 727.40
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   LOCATION L0000015     VOLUME   494597.884 3761342.779 728.61
   LOCATION L0000016     VOLUME   494610.925 3761347.873 729.82
   LOCATION L0000017     VOLUME   494623.965 3761352.967 730.89
   LOCATION L0000018     VOLUME   494637.006 3761358.061 731.53
   LOCATION L0000019     VOLUME   494650.046 3761363.155 731.99
   LOCATION L0000020     VOLUME   494663.086 3761368.249 731.92
   LOCATION L0000021     VOLUME   494676.127 3761373.343 732.12
   LOCATION L0000022     VOLUME   494689.167 3761378.437 732.34
   LOCATION L0000023     VOLUME   494702.208 3761383.531 732.22
   LOCATION L0000024     VOLUME   494715.248 3761388.625 732.15
** End of LINE VOLUME Source ID = SLINE1
   LOCATION VOL65        VOLUME     494225.512  3761593.644      708.540
   LOCATION VOL66        VOLUME     492727.959  3762410.433      683.010
** Source Parameters **
   SRCPARAM VOL1         0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL2         0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL3         0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL4         0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL5         0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL6         0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL7         0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL8         0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL9         0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL10        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL11        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL12        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL13        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL14        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL15        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL16        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL17        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL18        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL19        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL20        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL21        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL22        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL23        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL24        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL25        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL26        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL27        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL28        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL29        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL30        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL31        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL32        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL33        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL34        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL35        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL36        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL37        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL38        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL39        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL40        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL41        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL42        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL43        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL44        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL45        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL46        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL47        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL48        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL49        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL50        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL51        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL52        0.0003027656     5.000    78.898     1.400
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   SRCPARAM VOL53        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL54        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL55        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL56        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL57        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL58        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL59        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL60        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL61        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL62        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL63        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL64        0.0003027656     5.000    78.898     1.400
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000002     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000003     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000004     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000005     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000006     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000007     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000008     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000009     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000010     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000011     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000012     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000013     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000014     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000015     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000016     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000017     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000018     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000019     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000020     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000021     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000022     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000023     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000024     0.0000214918      3.49      6.51      3.25
** ----------------------------------------------------------------------
   SRCPARAM VOL65        0.0003027656     5.000    78.898     1.400
   SRCPARAM VOL66        0.0003027656     5.000    78.898     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL1         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL61        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000013     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000014     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000015     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000017     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000019     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000020     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000021     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000022     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000023     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000024     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "15218 Cons HRA.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 481.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "15218 CONS HRA.AD\PE00GALL.PLT" 31
   SUMMFILE "15218 Cons HRA.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186    1547       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    1547       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
```

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- - - -

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
VOL1	0	0.30277E-03	489747.4	3762439.3	667.6	5.00	78.90	1.40	YES HRDOW
VOL2	0	0.30277E-03	489755.7	3762095.9	673.8	5.00	78.90	1.40	YES HRDOW
VOL3	0	0.30277E-03	489759.8	3761748.4	658.2	5.00	78.90	1.40	YES HRDOW
VOL4	0	0.30277E-03	489809.5	3761537.4	661.8	5.00	78.90	1.40	YES HRDOW
VOL5	0	0.30277E-03	492762.9	3762007.3	697.4	5.00	78.90	1.40	YES HRDOW
VOL6	0	0.30277E-03	490093.7	3762457.8	658.8	5.00	78.90	1.40	YES HRDOW
VOL7	0	0.30277E-03	490101.9	3762114.4	673.1	5.00	78.90	1.40	YES HRDOW
VOL8	0	0.30277E-03	490106.1	3761766.9	671.5	5.00	78.90	1.40	YES HRDOW
VOL9	0	0.30277E-03	490431.5	3762460.8	657.9	5.00	78.90	1.40	YES HRDOW
VOL10	0	0.30277E-03	490439.7	3762117.4	660.8	5.00	78.90	1.40	YES HRDOW
VOL11	0	0.30277E-03	490443.9	3761769.9	673.8	5.00	78.90	1.40	YES HRDOW
VOL12	0	0.30277E-03	490772.2	3762460.8	635.0	5.00	78.90	1.40	YES HRDOW
VOL13	0	0.30277E-03	490780.5	3762117.4	654.3	5.00	78.90	1.40	YES HRDOW
VOL14	0	0.30277E-03	490784.6	3761769.9	664.8	5.00	78.90	1.40	YES HRDOW
VOL15	0	0.30277E-03	491116.0	3762448.9	656.7	5.00	78.90	1.40	YES HRDOW
VOL16	0	0.30277E-03	491124.3	3762105.5	648.8	5.00	78.90	1.40	YES HRDOW
VOL17	0	0.30277E-03	491128.4	3761757.9	670.3	5.00	78.90	1.40	YES HRDOW
VOL18	0	0.30277E-03	491456.7	3762442.9	677.8	5.00	78.90	1.40	

```
 YES   HRDOW            NO
 VOL19            0   0.30277E-03  491465.0 3762099.5   660.6     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL20            0   0.30277E-03  491469.2 3761751.9   680.2     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL21            0   0.30277E-03  491797.5 3762422.0   680.7     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL22            0   0.30277E-03  491805.8 3762078.6   678.8     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL23            0   0.30277E-03  491809.9 3761731.0   675.6     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL24            0   0.30277E-03  492138.3 3762413.0   670.1     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL25            0   0.30277E-03  492146.6 3762069.6   690.4     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL26            0   0.30277E-03  492150.7 3761722.1   655.7     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL27            0   0.30277E-03  492365.5 3762407.0   682.0     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL28            0   0.30277E-03  492373.7 3762063.6   686.8     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL29            0   0.30277E-03  492377.9 3761716.1   683.0     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL30            0   0.30277E-03  492634.5 3762416.0   683.7     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL31            0   0.30277E-03  492642.8 3762072.6   683.5     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL32            0   0.30277E-03  492646.9 3761725.0   695.5     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL33            0   0.30277E-03  492942.4 3761722.5   697.2     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL34            0   0.30277E-03  492950.7 3761379.1   688.4     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL35            0   0.30277E-03  492954.8 3761031.6   669.3     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL36            0   0.30277E-03  493426.6 3761722.5   707.0     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL37            0   0.30277E-03  493434.9 3761379.1   683.4     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL38            0   0.30277E-03  493439.0 3761031.6   667.0     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL39            0   0.30277E-03  493184.5 3761716.5   708.0     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL40            0   0.30277E-03  493192.8 3761373.1   684.3     5.00    78.90     1.40
 YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 VOL41            0   0.30277E-03  493196.9 3761025.6   676.0     5.00    78.90     1.40
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YES   HRDOW           NO
VOL42          0   0.30277E-03  493517.2 3761598.9   708.4     5.00    78.90     1.40
YES   HRDOW           NO
VOL43          0   0.30277E-03  492614.5 3761383.7   692.1     5.00    78.90     1.40
YES   HRDOW           NO
VOL44          0   0.30277E-03  492279.7 3761389.7   673.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL45          0   0.30277E-03  491944.9 3761392.7   661.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL46          0   0.30277E-03  491607.1 3761404.6   629.7     5.00    78.90     1.40
YES   HRDOW           NO
VOL47          0   0.30277E-03  491308.2 3761416.6   653.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL48          0   0.30277E-03  491508.5 3761329.9   629.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL49          0   0.30277E-03  490964.4 3761646.7   671.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL50          0   0.30277E-03  490145.4 3761581.0   672.6     5.00    78.90     1.40
YES   HRDOW           NO
VOL51          0   0.30277E-03  490480.2 3761682.6   680.1     5.00    78.90     1.40
YES   HRDOW           NO
VOL52          0   0.30277E-03  492617.5 3761048.9   706.4     5.00    78.90     1.40
YES   HRDOW           NO
VOL53          0   0.30277E-03  492279.7 3761084.8   680.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL54          0   0.30277E-03  492190.0 3761231.2   675.3     5.00    78.90     1.40
YES   HRDOW           NO
VOL55          0   0.30277E-03  493236.2 3760920.4   666.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL56          0   0.30277E-03  493774.3 3761297.0   691.5     5.00    78.90     1.40
YES   HRDOW           NO
VOL57          0   0.30277E-03  493771.3 3761007.0   689.8     5.00    78.90     1.40
YES   HRDOW           NO
VOL58          0   0.30277E-03  494112.1 3761449.4   709.7     5.00    78.90     1.40
YES   HRDOW           NO
VOL59          0   0.30277E-03  494115.1 3761111.7   705.6     5.00    78.90     1.40
YES   HRDOW           NO
VOL60          0   0.30277E-03  494103.1 3760935.3   694.2     5.00    78.90     1.40
YES   HRDOW           NO
VOL61          0   0.30277E-03  494384.1 3761129.6   722.8     5.00    78.90     1.40
YES   HRDOW           NO
VOL62          0   0.30277E-03  494428.9 3760923.3   699.6     5.00    78.90     1.40
YES   HRDOW           NO
VOL63          0   0.30277E-03  494611.3 3761010.0   720.2     5.00    78.90     1.40
YES   HRDOW           NO
VOL64          0   0.30277E-03  494207.7 3761449.4   714.4     5.00    78.90     1.40
YES   HRDOW           NO
L0000001       0   0.21492E-04  494416.4 3761318.3   719.9     3.49     6.51     3.25
YES   HRDOW           NO
L0000002       0   0.21492E-04  494428.4 3761311.1   720.1     3.49     6.51     3.25
YES   HRDOW           NO
L0000003       0   0.21492E-04  494440.4 3761303.9   720.3     3.49     6.51     3.25
YES   HRDOW           NO
L0000004       0   0.21492E-04  494453.4 3761298.6   720.1     3.49     6.51     3.25
YES   HRDOW           NO
L0000005       0   0.21492E-04  494466.3 3761294.9   720.0     3.49     6.51     3.25
YES   HRDOW           NO
L0000006       0   0.21492E-04  494479.5 3761299.7   720.5     3.49     6.51     3.25
YES   HRDOW           NO
L0000007       0   0.21492E-04  494492.7 3761304.4   721.1     3.49     6.51     3.25
YES   HRDOW           NO
L0000008       0   0.21492E-04  494505.9 3761309.1   721.6     3.49     6.51     3.25
YES   HRDOW           NO
L0000009       0   0.21492E-04  494519.1 3761313.8   722.2     3.49     6.51     3.25
YES   HRDOW           NO
L0000010       0   0.21492E-04  494532.3 3761318.4   722.8     3.49     6.51     3.25
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 YES   HRDOW            NO
 L0000011         0   0.21492E-04  494545.5 3761323.1   723.8     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000012         0   0.21492E-04  494558.7 3761327.7   725.0     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000013         0   0.21492E-04  494571.8 3761332.6   726.2     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000014         0   0.21492E-04  494584.8 3761337.7   727.4     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000015         0   0.21492E-04  494597.9 3761342.8   728.6     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000016         0   0.21492E-04  494610.9 3761347.9   729.8     3.49     6.51     3.25
 YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:24:35

                     PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 L0000017         0   0.21492E-04  494624.0 3761353.0   730.9     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000018         0   0.21492E-04  494637.0 3761358.1   731.5     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000019         0   0.21492E-04  494650.0 3761363.2   732.0     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000020         0   0.21492E-04  494663.1 3761368.2   731.9     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000021         0   0.21492E-04  494676.1 3761373.3   732.1     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000022         0   0.21492E-04  494689.2 3761378.4   732.3     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000023         0   0.21492E-04  494702.2 3761383.5   732.2     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000024         0   0.21492E-04  494715.2 3761388.6   732.1     3.49     6.51     3.25
 YES   HRDOW            NO
 VOL65            0   0.30277E-03  494225.5 3761593.6   708.5     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL66            0   0.30277E-03  492728.0 3762410.4   683.0     5.00    78.90     1.40
 YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:24:35

                     PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                    SOURCE IDs
 -----------                                    ----------
```

```
 ALL        VOL1       , VOL2       , VOL3       , VOL4       , VOL5       , VOL6       ,
 VOL7       , VOL8       ,

            VOL9       , VOL10      , VOL11      , VOL12      , VOL13      , VOL14      ,
            VOL15      , VOL16      ,

            VOL17      , VOL18      , VOL19      , VOL20      , VOL21      , VOL22      ,
            VOL23      , VOL24      ,

            VOL25      , VOL26      , VOL27      , VOL28      , VOL29      , VOL30      ,
            VOL31      , VOL32      ,

            VOL33      , VOL34      , VOL35      , VOL36      , VOL37      , VOL38      ,
            VOL39      , VOL40      ,

            VOL41      , VOL42      , VOL43      , VOL44      , VOL45      , VOL46      ,
            VOL47      , VOL48      ,

            VOL49      , VOL50      , VOL51      , VOL52      , VOL53      , VOL54      ,
            VOL55      , VOL56      ,

            VOL57      , VOL58      , VOL59      , VOL60      , VOL61      , VOL62      ,
            VOL63      , VOL64      ,

            L0000001   , L0000002   , L0000003   , L0000004   , L0000005   , L0000006   ,
            L0000007   , L0000008   ,

            L0000009   , L0000010   , L0000011   , L0000012   , L0000013   , L0000014   ,
            L0000015   , L0000016   ,

            L0000017   , L0000018   , L0000019   , L0000020   , L0000021   , L0000022   ,
            L0000023   , L0000024   ,

            VOL65      , VOL66      ,
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        11:24:35

                     PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


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

  URBAN ID   URBAN POP                                  SOURCE IDs
  --------   ---------                                  ----------


             2189641.   VOL1       , VOL2       , VOL3       , VOL4       , VOL5       ,
             VOL6       , VOL7       ,
 VOL8       ,

            VOL9       , VOL10      , VOL11      , VOL12      , VOL13      , VOL14      ,
            VOL15      , VOL16      ,

            VOL17      , VOL18      , VOL19      , VOL20      , VOL21      , VOL22      ,
            VOL23      , VOL24      ,

            VOL25      , VOL26      , VOL27      , VOL28      , VOL29      , VOL30      ,
            VOL31      , VOL32      ,

            VOL33      , VOL34      , VOL35      , VOL36      , VOL37      , VOL38      ,
            VOL39      , VOL40      ,
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```
            VOL41       , VOL42       , VOL43       , VOL44       , VOL45       , VOL46       ,
            VOL47       , VOL48       ,

            VOL49       , VOL50       , VOL51       , VOL52       , VOL53       , VOL54       ,
            VOL55       , VOL56       ,

            VOL57       , VOL58       , VOL59       , VOL60       , VOL61       , VOL62       ,
            VOL63       , VOL64       ,

            L0000001    , L0000002    , L0000003    , L0000004    , L0000005    , L0000006    ,
            L0000007    , L0000008    ,

            L0000009    , L0000010    , L0000011    , L0000012    , L0000013    , L0000014    ,
            L0000015    , L0000016    ,

            L0000017    , L0000018    , L0000019    , L0000020    , L0000021    , L0000022    ,
            L0000023    , L0000024    ,

            VOL65       , VOL66       ,
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL1         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

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

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
```

(HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - -

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

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

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :

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

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :

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

- - - -

- - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00										

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

```
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL15        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL16        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
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```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL17        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *
```

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6			

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22													

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :

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

- - - -

```
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00												

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                      PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL40        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                      PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL41        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:24:35

                     PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL42        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:24:35

                     PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *
```

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

SOURCE ID = VOL45   ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

- - - - - - - - - - - - - - - - - -

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

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

- - - - - - - - - - - - - - - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL56 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL57 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

```
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

 SOURCE ID = VOL58        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

 SOURCE ID = VOL59        ; SOURCE TYPE = VOLUME   :
```

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                      PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL60        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops CO\1 *** 05/22/24
*** AERMET - VERSION 16216 ***
*** *** 11:24:35

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00												

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL63 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL64 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

DAY OF WEEK = SUNDAY

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :

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

```
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

 SOURCE ID = L0000003     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
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(HRDOW) *

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - -

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000007 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000008 ; SOURCE TYPE = VOLUME :

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

- - - -

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :

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

- - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00										

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

```
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = L0000017     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                     PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = L0000018     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
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9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops CO\1 *** 05/22/24
*** AERMET - VERSION 16216 ***
*** *** 11:24:35

PAGE 89

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :

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

- - - -

```
 SOURCE ID = L0000020     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:24:35

                      PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = L0000021     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000022 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000023 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6			

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL65 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL66 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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

(493343.8, 3762037.3, 711.3, 711.3, 0.0); (493410.0, 3761986.4, 713.0, 713.0, 0.0);
(493417.5, 3761973.0, 713.0, 713.0, 0.0); (493468.3, 3761958.4, 714.0, 714.0, 0.0);

(493499.8, 3761947.4, 713.9, 713.9, 0.0); (493614.4, 3761892.8, 711.3, 711.3, 0.0);
(493613.7, 3761905.0, 712.0, 712.0, 0.0); (493614.4, 3761917.1, 712.9, 712.9, 0.0);
(493614.4, 3761927.4, 713.5, 713.5, 0.0); (493613.3, 3761940.2, 714.2, 714.2, 0.0);
(493616.5, 3761952.1, 714.8, 714.8, 0.0); (493615.2, 3761961.7, 715.2, 715.2, 0.0);
(493614.5, 3761973.8, 715.6, 715.6, 0.0); (493614.0, 3761985.0, 716.0, 716.0, 0.0);
(493613.7, 3761996.5, 716.0, 716.0, 0.0); (493614.2, 3762007.4, 716.0, 716.0, 0.0);
(493615.8, 3762018.6, 716.0, 716.0, 0.0); (493614.7, 3762025.7, 716.1, 716.1, 0.0);
(493614.4, 3762035.0, 716.3, 716.3, 0.0); (493613.1, 3762043.7, 716.4, 716.4, 0.0);
(493613.7, 3762052.1, 716.5, 716.5, 0.0); (493613.8, 3762061.6, 716.7, 716.7, 0.0);
(493614.2, 3762071.5, 716.9, 716.9, 0.0); (493696.5, 3761742.5, 707.6, 725.0, 0.0);
(493707.3, 3761768.9, 706.9, 725.0, 0.0); (493728.0, 3761742.8, 710.3, 725.0, 0.0);
(493755.6, 3761733.7, 712.8, 725.0, 0.0); (493750.5, 3761720.6, 712.0, 725.0, 0.0);
(493745.9, 3761709.5, 711.5, 725.0, 0.0); (493741.4, 3761696.9, 711.0, 725.0, 0.0);
(493738.5, 3761681.0, 710.9, 726.0, 0.0); (493737.4, 3761663.9, 711.5, 726.0, 0.0);
(493736.5, 3761651.4, 711.4, 726.0, 0.0); (494418.1, 3761416.1, 723.3, 723.3, 0.0);
(494473.7, 3761368.1, 723.5, 723.5, 0.0); (494939.8, 3761394.3, 726.8, 740.0, 0.0);
(494686.4, 3761403.4, 733.0, 733.0, 0.0); (494576.0, 3761568.6, 731.5, 731.5, 0.0);
(494541.5, 3761602.8, 730.6, 730.6, 0.0); (494822.5, 3761435.2, 735.9, 740.0, 0.0);
(494846.2, 3761504.6, 735.0, 735.0, 0.0); (494841.1, 3761535.8, 735.0, 735.0, 0.0);
(494837.9, 3761553.1, 735.1, 735.1, 0.0); (494885.6, 3761199.1, 718.8, 718.8, 0.0);
(494976.7, 3761325.6, 731.5, 732.0, 0.0); (494985.3, 3761366.2, 730.7, 730.7, 0.0);
(495070.9, 3761299.2, 719.5, 745.0, 0.0); (495115.5, 3760632.6, 721.9, 721.9, 0.0);
(495069.0, 3760685.3, 721.5, 721.5, 0.0); (495087.5, 3760728.3, 723.6, 723.6, 0.0);
(495079.9, 3760834.5, 723.0, 729.0, 0.0); (495202.4, 3760883.6, 731.0, 731.0, 0.0);
(495237.6, 3760939.3, 731.2, 731.2, 0.0); (495298.5, 3761048.6, 729.3, 732.0, 0.0);
(490844.4, 3759375.8, 587.9, 785.0, 0.0); (490895.8, 3759357.7, 586.8, 785.0, 0.0);
(490596.7, 3759246.7, 597.3, 785.0, 0.0); (489103.6, 3759859.2, 567.9, 779.0, 0.0);
(488940.5, 3759893.3, 560.4, 781.0, 0.0); (488472.3, 3759865.6, 559.4, 781.0, 0.0);
(488432.5, 3759884.3, 559.3, 781.0, 0.0); (488713.1, 3759827.8, 560.0, 781.0, 0.0);
(487562.3, 3760285.6, 540.4, 775.0, 0.0); (487809.3, 3760420.9, 541.1, 774.0, 0.0);
(487553.1, 3761208.2, 551.7, 699.0, 0.0); (487899.8, 3760972.4, 552.2, 706.0, 0.0);
(487983.2, 3762301.2, 555.5, 699.0, 0.0); (487913.7, 3762403.2, 548.5, 696.0, 0.0);
(487890.6, 3762238.1, 554.6, 699.0, 0.0); (488190.1, 3762513.9, 548.5, 706.0, 0.0);

(488424.4, 3762586.5, 547.0, 706.0, 0.0); (488657.5, 3762495.9, 566.8, 706.0, 0.0);
(488908.2, 3762583.2, 569.9, 706.0, 0.0); (489170.3, 3762660.8, 588.4, 687.0, 0.0);
(489382.2, 3762809.6, 594.9, 686.0, 0.0); (489294.9, 3762783.6, 591.7, 687.0, 0.0);
(489889.7, 3762661.2, 634.0, 683.0, 0.0); (490022.9, 3762783.3, 608.4, 683.0, 0.0);
(490424.0, 3762839.2, 608.0, 692.0, 0.0); (490375.9, 3762870.4, 609.0, 692.0, 0.0);
(491453.1, 3762845.5, 638.6, 693.0, 0.0); (491132.3, 3762903.5, 624.8, 693.0, 0.0);
(492890.9, 3762203.2, 695.8, 718.0, 0.0); (492961.5, 3762258.5, 697.9, 718.0, 0.0);
(493034.0, 3762272.6, 710.8, 718.0, 0.0); (493032.3, 3762205.2, 706.1, 718.0, 0.0);
(493087.3, 3762215.2, 710.1, 718.0, 0.0); (493079.9, 3762296.4, 710.1, 718.0, 0.0);
(493163.8, 3762367.2, 696.6, 718.0, 0.0); (493068.9, 3762510.0, 704.0, 708.0, 0.0);

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

(493101.1, 3762454.7, 706.2, 706.2, 0.0); (493281.8, 3762369.2, 705.3, 705.3, 0.0);
(493351.5, 3762095.4, 712.2, 712.2, 0.0); (493439.5, 3762105.8, 714.0, 714.0, 0.0);
(493972.9, 3763044.2, 720.3, 720.3, 0.0); (493957.0, 3763184.1, 717.8, 717.8, 0.0);
(493583.5, 3763480.4, 696.8, 696.8, 0.0); (493258.5, 3763568.1, 691.3, 707.0, 0.0);
(492895.8, 3763485.7, 678.5, 697.0, 0.0); (493781.0, 3761659.0, 719.0, 725.0, 0.0);
(493797.6, 3761658.3, 720.2, 725.0, 0.0); (493831.9, 3761631.5, 722.8, 724.0, 0.0);
(493900.2, 3761664.0, 723.5, 723.5, 0.0); (493918.6, 3761666.1, 722.4, 725.0, 0.0);
(493929.5, 3761662.2, 721.1, 725.0, 0.0); (493945.8, 3761667.9, 723.3, 723.3, 0.0);
(493758.4, 3761524.3, 724.8, 724.8, 0.0); (493961.0, 3761672.8, 724.3, 724.3, 0.0);
(493975.2, 3761679.6, 722.8, 722.8, 0.0); (493987.5, 3761687.7, 723.2, 723.2, 0.0);
(493998.9, 3761697.2, 722.6, 726.0, 0.0); (494007.7, 3761707.5, 723.6, 726.0, 0.0);
(494016.9, 3761718.1, 725.7, 725.7, 0.0); (494024.7, 3761730.8, 723.5, 726.0, 0.0);

*** 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
```

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,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file:
RDLD_V9_ADJU\RDLD_v9.SFC Met
Version: 16216
Profile file:
RDLD_V9_ADJU\RDLD_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-10.6	0.149	-9.000	-9.000	-999.	138.	26.7	0.32	3.22	1.00	1.30	110.	9.1	285.4	5.5
12	01	01	1	02	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	130.	9.1	284.5	5.5
12	01	01	1	03	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	100.	9.1	285.0	5.5
12	01	01	1	04	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	107.	9.1	284.6	5.5

```
 12 01 01   1 05  -10.7  0.149 -9.000 -9.000 -999.  138.     26.7  0.32   3.22   1.00    1.30
 98.    9.1  284.9    5.5
 12 01 01   1 06   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00    0.90
 86.    9.1  284.5    5.5
 12 01 01   1 07   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00    0.90
 91.    9.1  284.0    5.5
 12 01 01   1 08   -4.0  0.102 -9.000 -9.000 -999.   78.     22.9  0.32   3.22   0.54    0.90
 107.    9.1  285.0    5.5
 12 01 01   1 09   44.6  0.237  0.382  0.006   43.  276.    -25.6  0.15   3.22   0.33    2.10
 81.   10.1  289.1    5.5
 12 01 01   1 10  134.3  0.111  0.882  0.008  176.   99.     -1.0  0.32   3.22   0.26    0.40
 72.    9.1  295.1    5.5
 12 01 01   1 11  199.8  0.409  1.429  0.005  503.  627.    -29.4  0.15   3.22   0.23    3.68
 78.   10.1  297.9    5.5
 12 01 01   1 12  232.3  0.300  1.889  0.005  999.  402.    -10.0  0.32   3.22   0.22    1.80
 333.    9.1  299.4    5.5
 12 01 01   1 13  230.0  0.300  2.134  0.005 1453.  394.    -10.1  0.32   3.22   0.22    1.80
 72.    9.1  300.4    5.5
 12 01 01   1 14  194.0  0.294  2.109  0.005 1663.  382.    -11.2  0.32   3.22   0.24    1.80
 277.    9.1  301.0    5.5
 12 01 01   1 15  126.3  0.378  1.872  0.005 1784.  557.    -36.5  0.32   3.22   0.27    2.70
 243.    9.1  301.0    5.5
 12 01 01   1 16   39.5  0.199  1.278  0.005 1817.  240.    -17.2  0.32   3.22   0.36    1.30
 274.    9.1  300.1    5.5
 12 01 01   1 17   -4.7  0.101 -9.000 -9.000 -999.   85.     19.0  0.32   3.22   0.65    0.90
 252.    9.1  298.2    5.5
 12 01 01   1 18   -4.9  0.102 -9.000 -9.000 -999.   78.     18.2  0.32   3.22   1.00    0.90
 116.    9.1  296.4    5.5
 12 01 01   1 19  -18.8  0.204 -9.000 -9.000 -999.  220.     45.6  0.15   3.22   1.00    2.27
 79.   10.1  292.2    5.5
 12 01 01   1 20   -5.0  0.102 -9.000 -9.000 -999.   83.     18.1  0.32   3.22   1.00    0.90
 95.    9.1  290.2    5.5
 12 01 01   1 21   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00    0.90
 99.    9.1  287.8    5.5
 12 01 01   1 22   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00    0.90
 110.    9.1  287.6    5.5
 12 01 01   1 23  -10.6  0.149 -9.000 -9.000 -999.  138.     26.8  0.32   3.22   1.00    1.30
 89.    9.1  287.2    5.5
 12 01 01   1 24   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00    0.90
 105.    9.1  285.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   285.5   99.0  -99.00  -99.00
 12 01 01 01    9.1 1  110.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       11:24:35

                      PAGE 101
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR
                             SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                                 VOL3        , VOL4        , VOL5        ,
                    VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                    VOL11       , VOL12       , VOL13       ,
                    VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                    VOL19       , VOL20       , VOL21       ,
                    VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
                    VOL27       , VOL28       ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
493343.85	3762037.28	0.00110	493409.97	3761986.39	0.00118
493417.46	3761972.99	0.00122	493468.31	3761958.40	0.00123
493499.84	3761947.37	0.00124	493614.36	3761892.81	0.00128
493613.66	3761905.05	0.00122	493614.36	3761917.12	0.00117
493614.36	3761927.44	0.00113	493613.31	3761940.20	0.00108
493616.46	3761952.10	0.00104	493615.23	3761961.71	0.00102
493614.53	3761973.78	0.00099	493614.01	3761984.98	0.00096
493613.66	3761996.52	0.00094	493614.18	3762007.36	0.00092
493615.76	3762018.56	0.00089	493614.71	3762025.73	0.00088
493614.36	3762035.00	0.00087	493613.13	3762043.74	0.00086
493613.66	3762052.14	0.00084	493613.83	3762061.58	0.00083
493614.18	3762071.55	0.00082	493696.46	3761742.53	0.00173
493707.35	3761768.92	0.00155	493727.98	3761742.80	0.00156
493755.61	3761733.69	0.00148	493750.48	3761720.58	0.00154
493745.92	3761709.48	0.00161	493741.37	3761696.95	0.00167
493738.52	3761681.00	0.00175	493737.38	3761663.91	0.00181
493736.52	3761651.38	0.00185	494418.08	3761416.13	0.00306
494473.73	3761368.11	0.00500	494939.85	3761394.35	0.00104
494686.37	3761403.42	0.01101	494575.98	3761568.60	0.00137
494541.49	3761602.79	0.00131	494822.53	3761435.24	0.00147
494846.18	3761504.63	0.00100	494841.06	3761535.78	0.00092
494837.90	3761553.12	0.00088	494885.61	3761199.09	0.00131
494976.68	3761325.65	0.00100	494985.35	3761366.25	0.00095
495070.90	3761299.23	0.00084	495115.47	3760632.60	0.00058
495069.03	3760685.30	0.00064	495087.55	3760728.31	0.00066
495079.90	3760834.52	0.00075	495202.38	3760883.65	0.00066
495237.63	3760939.31	0.00065	495298.45	3761048.56	0.00062
490844.43	3759375.83	0.00017	490895.79	3759357.70	0.00017

490596.67	3759246.67	0.00016	489103.59	
3759859.22	0.00014			
488940.48	3759893.26	0.00014	488472.34	
3759865.64	0.00012			
488432.53	3759884.27	0.00012	488713.15	
3759827.76	0.00013			
487562.29	3760285.62	0.00011	487809.35	
3760420.86	0.00011			
487553.10	3761208.24	0.00011	487899.76	
3760972.40	0.00012			
487983.18	3762301.23	0.00013	487913.66	
3762403.25	0.00013			
487890.59	3762238.09	0.00013	488190.14	
3762513.88	0.00014			
488424.39	3762586.51	0.00015	488657.54	
3762495.87	0.00017			
488908.17	3762583.23	0.00020	489170.26	
3762660.77	0.00024			
489382.17	3762809.64	0.00027	489294.91	
3762783.65	0.00026			
489889.72	3762661.22	0.00071	490022.93	
3762783.29	0.00051			
490423.96	3762839.25	0.00051	490375.94	
3762870.37	0.00048			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
491453.08	3762845.48	0.00058	491132.33	3762903.51	0.00051
492890.92	3762203.25	0.00192	492961.55	3762258.51	0.00153
493033.99	3762272.60	0.00123	493032.31	3762205.18	0.00131
493087.32	3762215.25	0.00116	493079.94	3762296.41	0.00110
493163.79	3762367.18	0.00092	493068.87	3762510.05	0.00086
493101.07	3762454.71	0.00089	493281.84	3762369.19	0.00076
493351.51	3762095.42	0.00099	493439.48	3762105.84	0.00090

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGHEST VALUE IS	0.01101 AT (494686.37, 3761403.42, 733.03, 733.03, 0.00) DC
	2ND HIGHEST VALUE IS	0.00500 AT (494473.73, 3761368.11, 723.51, 723.51, 0.00) DC
	3RD HIGHEST VALUE IS	0.00306 AT (494418.08, 3761416.13, 723.26, 723.26, 0.00) DC
	4TH HIGHEST VALUE IS	0.00192 AT (492890.92, 3762203.25, 695.85, 718.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.00187 AT (493758.37, 3761524.30, 724.76, 724.76, 0.00) DC
	6TH HIGHEST VALUE IS	0.00185 AT (493736.52, 3761651.38, 711.44, 726.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.00181 AT (493737.38, 3761663.91, 711.48, 726.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.00175 AT (493738.52, 3761681.00, 710.88, 726.00, 0.00) DC
	9TH HIGHEST VALUE IS	0.00173 AT (493696.46, 3761742.53, 707.64, 725.00, 0.00) DC
	10TH HIGHEST VALUE IS	0.00167 AT (493741.37, 3761696.95, 710.96, 725.00, 0.00) DC

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

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

 A Total of   0 Fatal Error Message(s)
 A Total of   2 Warning Message(s)
 A Total of   388 Informational Message(s)

 A Total of   43848 Hours Were Processed

 A Total of   191 Calm Hours Identified

 A Total of   197 Missing Hours Identified (0.45 Percent)

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

    ********   WARNING MESSAGES   ********
 ME W186   1547   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
 ME W187   1547   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 5/22/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Cons HRA Mit\15218 Cons HRA
Mit.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops CO\1
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "15218 Cons HRA Mit.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     489747.400  3762439.330      667.560
   LOCATION VOL2         VOLUME     489755.675  3762095.933      673.800
   LOCATION VOL3         VOLUME     489759.812  3761748.402      658.240
   LOCATION VOL4         VOLUME     489809.459  3761537.400      661.750
   LOCATION VOL5         VOLUME     492762.875  3762007.293      697.380
   LOCATION VOL6         VOLUME     490093.670  3762457.825      658.780
   LOCATION VOL7         VOLUME     490101.945  3762114.428      673.080
   LOCATION VOL8         VOLUME     490106.082  3761766.896      671.530
   LOCATION VOL9         VOLUME     490431.450  3762460.814      657.910
   LOCATION VOL10        VOLUME     490439.725  3762117.417      660.780
   LOCATION VOL11        VOLUME     490443.862  3761769.885      673.800
   LOCATION VOL12        VOLUME     490772.219  3762460.814      634.990
   LOCATION VOL13        VOLUME     490780.494  3762117.417      654.310
   LOCATION VOL14        VOLUME     490784.631  3761769.885      664.820
   LOCATION VOL15        VOLUME     491115.978  3762448.857      656.740
   LOCATION VOL16        VOLUME     491124.252  3762105.460      648.790
   LOCATION VOL17        VOLUME     491128.390  3761757.929      670.310
   LOCATION VOL18        VOLUME     491456.747  3762442.879      677.760
   LOCATION VOL19        VOLUME     491465.021  3762099.482      660.650
   LOCATION VOL20        VOLUME     491469.159  3761751.950      680.180
   LOCATION VOL21        VOLUME     491797.516  3762421.954      680.710
   LOCATION VOL22        VOLUME     491805.791  3762078.557      678.820
   LOCATION VOL23        VOLUME     491809.928  3761731.026      675.580
   LOCATION VOL24        VOLUME     492138.285  3762412.987      670.130
   LOCATION VOL25        VOLUME     492146.560  3762069.590      690.420
   LOCATION VOL26        VOLUME     492150.697  3761722.058      655.700
   LOCATION VOL27        VOLUME     492365.465  3762407.008      681.980
   LOCATION VOL28        VOLUME     492373.739  3762063.611      686.850
   LOCATION VOL29        VOLUME     492377.876  3761716.080      683.000
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   LOCATION VOL30        VOLUME     492634.493  3762415.976      683.730
   LOCATION VOL31        VOLUME     492642.767  3762072.579      683.510
   LOCATION VOL32        VOLUME     492646.905  3761725.047      695.550
   LOCATION VOL33        VOLUME     492942.381  3761722.481      697.180
   LOCATION VOL34        VOLUME     492950.655  3761379.084      688.430
   LOCATION VOL35        VOLUME     492954.793  3761031.552      669.350
   LOCATION VOL36        VOLUME     493426.631  3761722.481      707.000
   LOCATION VOL37        VOLUME     493434.906  3761379.084      683.370
   LOCATION VOL38        VOLUME     493439.043  3761031.552      667.000
   LOCATION VOL39        VOLUME     493184.506  3761716.502      708.040
   LOCATION VOL40        VOLUME     493192.781  3761373.105      684.350
   LOCATION VOL41        VOLUME     493196.918  3761025.574      675.990
   LOCATION VOL42        VOLUME     493517.225  3761598.907      708.390
   LOCATION VOL43        VOLUME     492614.485  3761383.684      692.150
   LOCATION VOL44        VOLUME     492279.695  3761389.662      673.000
   LOCATION VOL45        VOLUME     491944.904  3761392.652      661.050
   LOCATION VOL46        VOLUME     491607.124  3761404.609      629.700
   LOCATION VOL47        VOLUME     491308.204  3761416.565      653.030
   LOCATION VOL48        VOLUME     491508.480  3761329.878      629.000
   LOCATION VOL49        VOLUME     490964.446  3761646.734      670.960
   LOCATION VOL50        VOLUME     490145.404  3761580.971      672.650
   LOCATION VOL51        VOLUME     490480.195  3761682.604      680.120
   LOCATION VOL52        VOLUME     492617.475  3761048.893      706.370
   LOCATION VOL53        VOLUME     492279.695  3761084.764      679.990
   LOCATION VOL54        VOLUME     492190.019  3761231.235      675.300
   LOCATION VOL55        VOLUME     493236.240  3760920.358      666.000
   LOCATION VOL56        VOLUME     493774.296  3761296.997      691.460
   LOCATION VOL57        VOLUME     493771.307  3761007.045      689.790
   LOCATION VOL58        VOLUME     494112.076  3761449.447      709.730
   LOCATION VOL59        VOLUME     494115.065  3761111.667      705.640
   LOCATION VOL60        VOLUME     494103.108  3760935.304      694.220
   LOCATION VOL61        VOLUME     494384.093  3761129.602      722.780
   LOCATION VOL62        VOLUME     494428.931  3760923.347      699.620
   LOCATION VOL63        VOLUME     494611.273  3761010.034      720.230
   LOCATION VOL64        VOLUME     494207.730  3761449.447      714.410
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0005158028
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 494410.336, 3761321.832, 719.97, 3.49, 6.51
** 494440.476, 3761303.910, 719.95, 3.49, 6.51
** 494464.100, 3761294.135, 719.98, 3.49, 6.51
** 494493.427, 3761304.725, 720.80, 3.49, 6.51
** 494565.113, 3761329.978, 724.99, 3.49, 6.51
** 494721.519, 3761391.074, 732.05, 3.49, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000001     VOLUME   494416.352 3761318.254 719.94
   LOCATION L0000002     VOLUME   494428.386 3761311.099 720.10
   LOCATION L0000003     VOLUME   494440.419 3761303.944 720.26
   LOCATION L0000004     VOLUME   494453.351 3761298.583 720.11
   LOCATION L0000005     VOLUME   494466.327 3761294.939 719.96
   LOCATION L0000006     VOLUME   494479.495 3761299.694 720.50
   LOCATION L0000007     VOLUME   494492.662 3761304.449 721.09
   LOCATION L0000008     VOLUME   494505.865 3761309.107 721.61
   LOCATION L0000009     VOLUME   494519.069 3761313.758 722.21
   LOCATION L0000010     VOLUME   494532.274 3761318.410 722.85
   LOCATION L0000011     VOLUME   494545.479 3761323.061 723.85
   LOCATION L0000012     VOLUME   494558.683 3761327.713 724.99
   LOCATION L0000013     VOLUME   494571.804 3761332.592 726.19
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   LOCATION L0000014     VOLUME   494584.844 3761337.686 727.40
   LOCATION L0000015     VOLUME   494597.884 3761342.779 728.61
   LOCATION L0000016     VOLUME   494610.925 3761347.873 729.82
   LOCATION L0000017     VOLUME   494623.965 3761352.967 730.89
   LOCATION L0000018     VOLUME   494637.006 3761358.061 731.53
   LOCATION L0000019     VOLUME   494650.046 3761363.155 731.99
   LOCATION L0000020     VOLUME   494663.086 3761368.249 731.92
   LOCATION L0000021     VOLUME   494676.127 3761373.343 732.12
   LOCATION L0000022     VOLUME   494689.167 3761378.437 732.34
   LOCATION L0000023     VOLUME   494702.208 3761383.531 732.22
   LOCATION L0000024     VOLUME   494715.248 3761388.625 732.15
** End of LINE VOLUME Source ID = SLINE1
   LOCATION VOL65        VOLUME     494225.512  3761593.644      708.540
   LOCATION VOL66        VOLUME     492727.959  3762410.433      683.010
** Source Parameters **
   SRCPARAM VOL1         0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL2         0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL3         0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL4         0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL5         0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL6         0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL7         0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL8         0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL9         0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL10        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL11        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL12        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL13        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL14        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL15        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL16        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL17        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL18        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL19        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL20        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL21        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL22        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL23        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL24        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL25        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL26        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL27        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL28        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL29        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL30        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL31        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL32        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL33        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL34        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL35        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL36        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL37        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL38        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL39        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL40        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL41        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL42        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL43        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL44        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL45        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL46        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL47        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL48        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL49        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL50        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL51        0.0000844375     5.000    78.898     1.400
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   SRCPARAM VOL52        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL53        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL54        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL55        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL56        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL57        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL58        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL59        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL60        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL61        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL62        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL63        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL64        0.0000844375     5.000    78.898     1.400
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000002     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000003     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000004     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000005     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000006     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000007     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000008     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000009     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000010     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000011     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000012     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000013     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000014     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000015     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000016     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000017     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000018     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000019     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000020     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000021     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000022     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000023     0.0000214918      3.49      6.51      3.25
   SRCPARAM L0000024     0.0000214918      3.49      6.51      3.25
** ----------------------------------------------------------------------
   SRCPARAM VOL65        0.0000844375     5.000    78.898     1.400
   SRCPARAM VOL66        0.0000844375     5.000    78.898     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL1         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
```

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   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL48        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL48        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL61        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL61        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT L0000013     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000014     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000015     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000017     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000019     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000020     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000021     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000022     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000023     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000024     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "15218 Cons HRA Mit.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 481.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "15218 CONS HRA MIT.AD\PE00GALL.PLT" 31
   SUMMFILE "15218 Cons HRA Mit.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186    1547       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    1547       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- - - -

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File:
aermod.inp
**Output Print File:
aermod.out

**Detailed Error/Message File: 15218 Cons HRA
Mit.err
**File for Summary of Results: 15218 Cons HRA
Mit.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)
VOL1	0	0.84438E-04	489747.4	3762439.3	667.6	5.00	78.90	1.40
YES	HRDOW	NO						
VOL2	0	0.84438E-04	489755.7	3762095.9	673.8	5.00	78.90	1.40
YES	HRDOW	NO						
VOL3	0	0.84438E-04	489759.8	3761748.4	658.2	5.00	78.90	1.40
YES	HRDOW	NO						
VOL4	0	0.84438E-04	489809.5	3761537.4	661.8	5.00	78.90	1.40
YES	HRDOW	NO						
VOL5	0	0.84438E-04	492762.9	3762007.3	697.4	5.00	78.90	1.40
YES	HRDOW	NO						
VOL6	0	0.84438E-04	490093.7	3762457.8	658.8	5.00	78.90	1.40
YES	HRDOW	NO						
VOL7	0	0.84438E-04	490101.9	3762114.4	673.1	5.00	78.90	1.40
YES	HRDOW	NO						
VOL8	0	0.84438E-04	490106.1	3761766.9	671.5	5.00	78.90	1.40
YES	HRDOW	NO						
VOL9	0	0.84438E-04	490431.5	3762460.8	657.9	5.00	78.90	1.40
YES	HRDOW	NO						
VOL10	0	0.84438E-04	490439.7	3762117.4	660.8	5.00	78.90	1.40
YES	HRDOW	NO						
VOL11	0	0.84438E-04	490443.9	3761769.9	673.8	5.00	78.90	1.40
YES	HRDOW	NO						
VOL12	0	0.84438E-04	490772.2	3762460.8	635.0	5.00	78.90	1.40
YES	HRDOW	NO						
VOL13	0	0.84438E-04	490780.5	3762117.4	654.3	5.00	78.90	1.40
YES	HRDOW	NO						
VOL14	0	0.84438E-04	490784.6	3761769.9	664.8	5.00	78.90	1.40
YES	HRDOW	NO						
VOL15	0	0.84438E-04	491116.0	3762448.9	656.7	5.00	78.90	1.40
YES	HRDOW	NO						
VOL16	0	0.84438E-04	491124.3	3762105.5	648.8	5.00	78.90	1.40
YES	HRDOW	NO						
VOL17	0	0.84438E-04	491128.4	3761757.9	670.3	5.00	78.90	1.40
YES	HRDOW	NO						

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 VOL18            0   0.84438E-04  491456.7 3762442.9   677.8     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL19            0   0.84438E-04  491465.0 3762099.5   660.6     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL20            0   0.84438E-04  491469.2 3761751.9   680.2     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL21            0   0.84438E-04  491797.5 3762422.0   680.7     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL22            0   0.84438E-04  491805.8 3762078.6   678.8     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL23            0   0.84438E-04  491809.9 3761731.0   675.6     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL24            0   0.84438E-04  492138.3 3762413.0   670.1     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL25            0   0.84438E-04  492146.6 3762069.6   690.4     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL26            0   0.84438E-04  492150.7 3761722.1   655.7     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL27            0   0.84438E-04  492365.5 3762407.0   682.0     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL28            0   0.84438E-04  492373.7 3762063.6   686.8     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL29            0   0.84438E-04  492377.9 3761716.1   683.0     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL30            0   0.84438E-04  492634.5 3762416.0   683.7     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL31            0   0.84438E-04  492642.8 3762072.6   683.5     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL32            0   0.84438E-04  492646.9 3761725.0   695.5     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL33            0   0.84438E-04  492942.4 3761722.5   697.2     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL34            0   0.84438E-04  492950.7 3761379.1   688.4     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL35            0   0.84438E-04  492954.8 3761031.6   669.3     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL36            0   0.84438E-04  493426.6 3761722.5   707.0     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL37            0   0.84438E-04  493434.9 3761379.1   683.4     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL38            0   0.84438E-04  493439.0 3761031.6   667.0     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL39            0   0.84438E-04  493184.5 3761716.5   708.0     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL40            0   0.84438E-04  493192.8 3761373.1   684.3     5.00    78.90     1.40
 YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                     PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
     (METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - -
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VOL41           0   0.84438E-04  493196.9 3761025.6   676.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL42           0   0.84438E-04  493517.2 3761598.9   708.4     5.00    78.90     1.40
YES   HRDOW           NO
VOL43           0   0.84438E-04  492614.5 3761383.7   692.1     5.00    78.90     1.40
YES   HRDOW           NO
VOL44           0   0.84438E-04  492279.7 3761389.7   673.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL45           0   0.84438E-04  491944.9 3761392.7   661.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL46           0   0.84438E-04  491607.1 3761404.6   629.7     5.00    78.90     1.40
YES   HRDOW           NO
VOL47           0   0.84438E-04  491308.2 3761416.6   653.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL48           0   0.84438E-04  491508.5 3761329.9   629.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL49           0   0.84438E-04  490964.4 3761646.7   671.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL50           0   0.84438E-04  490145.4 3761581.0   672.6     5.00    78.90     1.40
YES   HRDOW           NO
VOL51           0   0.84438E-04  490480.2 3761682.6   680.1     5.00    78.90     1.40
YES   HRDOW           NO
VOL52           0   0.84438E-04  492617.5 3761048.9   706.4     5.00    78.90     1.40
YES   HRDOW           NO
VOL53           0   0.84438E-04  492279.7 3761084.8   680.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL54           0   0.84438E-04  492190.0 3761231.2   675.3     5.00    78.90     1.40
YES   HRDOW           NO
VOL55           0   0.84438E-04  493236.2 3760920.4   666.0     5.00    78.90     1.40
YES   HRDOW           NO
VOL56           0   0.84438E-04  493774.3 3761297.0   691.5     5.00    78.90     1.40
YES   HRDOW           NO
VOL57           0   0.84438E-04  493771.3 3761007.0   689.8     5.00    78.90     1.40
YES   HRDOW           NO
VOL58           0   0.84438E-04  494112.1 3761449.4   709.7     5.00    78.90     1.40
YES   HRDOW           NO
VOL59           0   0.84438E-04  494115.1 3761111.7   705.6     5.00    78.90     1.40
YES   HRDOW           NO
VOL60           0   0.84438E-04  494103.1 3760935.3   694.2     5.00    78.90     1.40
YES   HRDOW           NO
VOL61           0   0.84438E-04  494384.1 3761129.6   722.8     5.00    78.90     1.40
YES   HRDOW           NO
VOL62           0   0.84438E-04  494428.9 3760923.3   699.6     5.00    78.90     1.40
YES   HRDOW           NO
VOL63           0   0.84438E-04  494611.3 3761010.0   720.2     5.00    78.90     1.40
YES   HRDOW           NO
VOL64           0   0.84438E-04  494207.7 3761449.4   714.4     5.00    78.90     1.40
YES   HRDOW           NO
L0000001        0   0.21492E-04  494416.4 3761318.3   719.9     3.49     6.51     3.25
YES   HRDOW           NO
L0000002        0   0.21492E-04  494428.4 3761311.1   720.1     3.49     6.51     3.25
YES   HRDOW           NO
L0000003        0   0.21492E-04  494440.4 3761303.9   720.3     3.49     6.51     3.25
YES   HRDOW           NO
L0000004        0   0.21492E-04  494453.4 3761298.6   720.1     3.49     6.51     3.25
YES   HRDOW           NO
L0000005        0   0.21492E-04  494466.3 3761294.9   720.0     3.49     6.51     3.25
YES   HRDOW           NO
L0000006        0   0.21492E-04  494479.5 3761299.7   720.5     3.49     6.51     3.25
YES   HRDOW           NO
L0000007        0   0.21492E-04  494492.7 3761304.4   721.1     3.49     6.51     3.25
YES   HRDOW           NO
L0000008        0   0.21492E-04  494505.9 3761309.1   721.6     3.49     6.51     3.25
YES   HRDOW           NO
L0000009        0   0.21492E-04  494519.1 3761313.8   722.2     3.49     6.51     3.25
YES   HRDOW           NO
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 L0000010         0   0.21492E-04  494532.3 3761318.4   722.8     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000011         0   0.21492E-04  494545.5 3761323.1   723.8     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000012         0   0.21492E-04  494558.7 3761327.7   725.0     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000013         0   0.21492E-04  494571.8 3761332.6   726.2     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000014         0   0.21492E-04  494584.8 3761337.7   727.4     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000015         0   0.21492E-04  494597.9 3761342.8   728.6     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000016         0   0.21492E-04  494610.9 3761347.9   729.8     3.49     6.51     3.25
 YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                     PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 L0000017         0   0.21492E-04  494624.0 3761353.0   730.9     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000018         0   0.21492E-04  494637.0 3761358.1   731.5     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000019         0   0.21492E-04  494650.0 3761363.2   732.0     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000020         0   0.21492E-04  494663.1 3761368.2   731.9     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000021         0   0.21492E-04  494676.1 3761373.3   732.1     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000022         0   0.21492E-04  494689.2 3761378.4   732.3     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000023         0   0.21492E-04  494702.2 3761383.5   732.2     3.49     6.51     3.25
 YES   HRDOW            NO
 L0000024         0   0.21492E-04  494715.2 3761388.6   732.1     3.49     6.51     3.25
 YES   HRDOW            NO
 VOL65            0   0.84438E-04  494225.5 3761593.6   708.5     5.00    78.90     1.40
 YES   HRDOW            NO
 VOL66            0   0.84438E-04  492728.0 3762410.4   683.0     5.00    78.90     1.40
 YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                     PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
```

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	ALL, VOL1, VOL2, VOL3, VOL4, VOL5, VOL6, VOL7, VOL8, VOL9, VOL10, VOL11, VOL12, VOL13, VOL14, VOL15, VOL16, VOL17, VOL18, VOL19, VOL20, VOL21, VOL22, VOL23, VOL24, VOL25, VOL26, VOL27, VOL28, VOL29, VOL30, VOL31, VOL32, VOL33, VOL34, VOL35, VOL36, VOL37, VOL38, VOL39, VOL40, VOL41, VOL42, VOL43, VOL44, VOL45, VOL46, VOL47, VOL48, VOL49, VOL50, VOL51, VOL52, VOL53, VOL54, VOL55, VOL56, VOL57, VOL58, VOL59, VOL60, VOL61, VOL62, VOL63, VOL64, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, VOL65, VOL66,

```
            VOL39       , VOL40       ,

            VOL41       , VOL42       , VOL43       , VOL44       , VOL45       , VOL46       ,
            VOL47       , VOL48       ,

            VOL49       , VOL50       , VOL51       , VOL52       , VOL53       , VOL54       ,
            VOL55       , VOL56       ,

            VOL57       , VOL58       , VOL59       , VOL60       , VOL61       , VOL62       ,
            VOL63       , VOL64       ,

            L0000001    , L0000002    , L0000003    , L0000004    , L0000005    , L0000006    ,
            L0000007    , L0000008    ,

            L0000009    , L0000010    , L0000011    , L0000012    , L0000013    , L0000014    ,
            L0000015    , L0000016    ,

            L0000017    , L0000018    , L0000019    , L0000020    , L0000021    , L0000022    ,
            L0000023    , L0000024    ,

            VOL65       , VOL66       ,
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                     PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL1          ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                     PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22													

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:33:15

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

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL6         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:33:15

                     PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL7         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
```

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :

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

- - - -

```
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

DAY OF WEEK = SUNDAY

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                     PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL17        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                     PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *
```

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

SOURCE ID = VOL20   ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***
*** *** 11:33:15

PAGE 28
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops CO\1 *** 05/22/24
*** AERMET - VERSION 16216 ***
*** *** 11:33:15

PAGE 30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** AERMET - VERSION 16216 ***
*** *** 11:33:15

PAGE 31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :

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

- - - - - - - - - - - - - - - - - -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :

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

- - - - - - - - - - - - - - - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :

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

- - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :

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

- - - -

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

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

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL35        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops CO\1 *** 05/22/24
*** AERMET - VERSION 16216 ***
*** *** 11:33:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00												

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6			

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

```
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                    PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

 SOURCE ID = VOL42        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                    PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
```

(HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :

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

- - - -

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                     PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL49        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                     PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL50        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

- - - -

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL54   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
    .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
    .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
   .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
    .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
    .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
   .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
    .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
    .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
   .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL55   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
    .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
    .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
   .0000E+00   23 .0000E+00   24 .0000E+00
                                              DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
    .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL56 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                     PAGE  64
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL58        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                     PAGE  65
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *
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 SOURCE ID = VOL59        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:33:15

                      PAGE  66
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = VOL60        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL61 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6			

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL63 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL64 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops CO\1 *** 05/22/24
*** AERMET - VERSION 16216 ***
*** *** 11:33:15

PAGE 71

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops CO\1 *** 05/22/24
*** AERMET - VERSION 16216 ***
*** *** 11:33:15

PAGE 72

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000005 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000007 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22													

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000008 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

```
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00												

DAY OF WEEK = SUNDAY

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - -

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

SOURCE ID = L0000022   ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - -

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL66 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- - - -

714.0,   714.0,   0.0);
(493499.8, 3761947.4,   713.9,   713.9,   0.0);   (493614.4, 3761892.8,
711.3,   711.3,   0.0);
(493613.7, 3761905.0,   712.0,   712.0,   0.0);   (493614.4, 3761917.1,
712.9,   712.9,   0.0);
(493614.4, 3761927.4,   713.5,   713.5,   0.0);   (493613.3, 3761940.2,
714.2,   714.2,   0.0);
(493616.5, 3761952.1,   714.8,   714.8,   0.0);   (493615.2, 3761961.7,
715.2,   715.2,   0.0);
(493614.5, 3761973.8,   715.6,   715.6,   0.0);   (493614.0, 3761985.0,
716.0,   716.0,   0.0);
(493613.7, 3761996.5,   716.0,   716.0,   0.0);   (493614.2, 3762007.4,
716.0,   716.0,   0.0);
(493615.8, 3762018.6,   716.0,   716.0,   0.0);   (493614.7, 3762025.7,
716.1,   716.1,   0.0);
(493614.4, 3762035.0,   716.3,   716.3,   0.0);   (493613.1, 3762043.7,
716.4,   716.4,   0.0);
(493613.7, 3762052.1,   716.5,   716.5,   0.0);   (493613.8, 3762061.6,
716.7,   716.7,   0.0);
(493614.2, 3762071.5,   716.9,   716.9,   0.0);   (493696.5, 3761742.5,
707.6,   725.0,   0.0);
(493707.3, 3761768.9,   706.9,   725.0,   0.0);   (493728.0, 3761742.8,
710.3,   725.0,   0.0);
(493755.6, 3761733.7,   712.8,   725.0,   0.0);   (493750.5, 3761720.6,
712.0,   725.0,   0.0);
(493745.9, 3761709.5,   711.5,   725.0,   0.0);   (493741.4, 3761696.9,
711.0,   725.0,   0.0);
(493738.5, 3761681.0,   710.9,   726.0,   0.0);   (493737.4, 3761663.9,
711.5,   726.0,   0.0);
(493736.5, 3761651.4,   711.4,   726.0,   0.0);   (494418.1, 3761416.1,
723.3,   723.3,   0.0);
(494473.7, 3761368.1,   723.5,   723.5,   0.0);   (494939.8, 3761394.3,
726.8,   740.0,   0.0);
(494686.4, 3761403.4,   733.0,   733.0,   0.0);   (494576.0, 3761568.6,
731.5,   731.5,   0.0);
(494541.5, 3761602.8,   730.6,   730.6,   0.0);   (494822.5, 3761435.2,
735.9,   740.0,   0.0);
(494846.2, 3761504.6,   735.0,   735.0,   0.0);   (494841.1, 3761535.8,
735.0,   735.0,   0.0);
(494837.9, 3761553.1,   735.1,   735.1,   0.0);   (494885.6, 3761199.1,
718.8,   718.8,   0.0);
(494976.7, 3761325.6,   731.5,   732.0,   0.0);   (494985.3, 3761366.2,
730.7,   730.7,   0.0);
(495070.9, 3761299.2,   719.5,   745.0,   0.0);   (495115.5, 3760632.6,
721.9,   721.9,   0.0);
(495069.0, 3760685.3,   721.5,   721.5,   0.0);   (495087.5, 3760728.3,
723.6,   723.6,   0.0);
(495079.9, 3760834.5,   723.0,   729.0,   0.0);   (495202.4, 3760883.6,
731.0,   731.0,   0.0);
(495237.6, 3760939.3,   731.2,   731.2,   0.0);   (495298.5, 3761048.6,
729.3,   732.0,   0.0);
(490844.4, 3759375.8,   587.9,   785.0,   0.0);   (490895.8, 3759357.7,
586.8,   785.0,   0.0);
(490596.7, 3759246.7,   597.3,   785.0,   0.0);   (489103.6, 3759859.2,
567.9,   779.0,   0.0);
(488940.5, 3759893.3,   560.4,   781.0,   0.0);   (488472.3, 3759865.6,
559.4,   781.0,   0.0);
(488432.5, 3759884.3,   559.3,   781.0,   0.0);   (488713.1, 3759827.8,
560.0,   781.0,   0.0);
(487562.3, 3760285.6,   540.4,   775.0,   0.0);   (487809.3, 3760420.9,
541.1,   774.0,   0.0);
(487553.1, 3761208.2,   551.7,   699.0,   0.0);   (487899.8, 3760972.4,
552.2,   706.0,   0.0);
(487983.2, 3762301.2,   555.5,   699.0,   0.0);   (487913.7, 3762403.2,
548.5,   696.0,   0.0);
(487890.6, 3762238.1,   554.6,   699.0,   0.0);   (488190.1, 3762513.9,

548.5, 706.0, 0.0);
(488424.4, 3762586.5, 547.0, 706.0, 0.0); (488657.5, 3762495.9,
566.8, 706.0, 0.0);
(488908.2, 3762583.2, 569.9, 706.0, 0.0); (489170.3, 3762660.8,
588.4, 687.0, 0.0);
(489382.2, 3762809.6, 594.9, 686.0, 0.0); (489294.9, 3762783.6,
591.7, 687.0, 0.0);
(489889.7, 3762661.2, 634.0, 683.0, 0.0); (490022.9, 3762783.3,
608.4, 683.0, 0.0);
(490424.0, 3762839.2, 608.0, 692.0, 0.0); (490375.9, 3762870.4,
609.0, 692.0, 0.0);
(491453.1, 3762845.5, 638.6, 693.0, 0.0); (491132.3, 3762903.5,
624.8, 693.0, 0.0);
(492890.9, 3762203.2, 695.8, 718.0, 0.0); (492961.5, 3762258.5,
697.9, 718.0, 0.0);
(493034.0, 3762272.6, 710.8, 718.0, 0.0); (493032.3, 3762205.2,
706.1, 718.0, 0.0);
(493087.3, 3762215.2, 710.1, 718.0, 0.0); (493079.9, 3762296.4,
710.1, 718.0, 0.0);
(493163.8, 3762367.2, 696.6, 718.0, 0.0); (493068.9, 3762510.0,
704.0, 708.0, 0.0);

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

(493101.1, 3762454.7, 706.2, 706.2, 0.0); (493281.8, 3762369.2,
705.3, 705.3, 0.0);
(493351.5, 3762095.4, 712.2, 712.2, 0.0); (493439.5, 3762105.8,
714.0, 714.0, 0.0);
(493972.9, 3763044.2, 720.3, 720.3, 0.0); (493957.0, 3763184.1,
717.8, 717.8, 0.0);
(493583.5, 3763480.4, 696.8, 696.8, 0.0); (493258.5, 3763568.1,
691.3, 707.0, 0.0);
(492895.8, 3763485.7, 678.5, 697.0, 0.0); (493781.0, 3761659.0,
719.0, 725.0, 0.0);
(493797.6, 3761658.3, 720.2, 725.0, 0.0); (493831.9, 3761631.5,
722.8, 724.0, 0.0);
(493900.2, 3761664.0, 723.5, 723.5, 0.0); (493918.6, 3761666.1,
722.4, 725.0, 0.0);
(493929.5, 3761662.2, 721.1, 725.0, 0.0); (493945.8, 3761667.9,
723.3, 723.3, 0.0);
(493758.4, 3761524.3, 724.8, 724.8, 0.0); (493961.0, 3761672.8,
724.3, 724.3, 0.0);
(493975.2, 3761679.6, 722.8, 722.8, 0.0); (493987.5, 3761687.7,
723.2, 723.2, 0.0);
(493998.9, 3761697.2, 722.6, 726.0, 0.0); (494007.7, 3761707.5,
723.6, 726.0, 0.0);
(494016.9, 3761718.1, 725.7, 725.7, 0.0); (494024.7, 3761730.8,
723.5, 726.0, 0.0);

*** 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
```

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,

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

Surface file:
RDLD_V9_ADJU\RDLD_v9.SFC Met
Version: 16216
Profile file:
RDLD_V9_ADJU\RDLD_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-10.6	0.149	-9.000	-9.000	-999.	138.	26.7	0.32	3.22	1.00	1.30	110.	9.1	285.4	5.5
12	01	01	1	02	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	130.	9.1	284.5	5.5
12	01	01	1	03	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	100.	9.1	285.0	5.5
12	01	01	1	04	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90				

```
 107.    9.1  284.6    5.5
 12 01 01   1 05  -10.7  0.149 -9.000 -9.000 -999.  138.     26.7  0.32   3.22   1.00    1.30
 98.    9.1  284.9    5.5
 12 01 01   1 06   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00    0.90
 86.    9.1  284.5    5.5
 12 01 01   1 07   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00    0.90
 91.    9.1  284.0    5.5
 12 01 01   1 08   -4.0  0.102 -9.000 -9.000 -999.   78.     22.9  0.32   3.22   0.54    0.90
 107.    9.1  285.0    5.5
 12 01 01   1 09   44.6  0.237  0.382  0.006   43.  276.    -25.6  0.15   3.22   0.33    2.10
 81.   10.1  289.1    5.5
 12 01 01   1 10  134.3  0.111  0.882  0.008  176.   99.     -1.0  0.32   3.22   0.26    0.40
 72.    9.1  295.1    5.5
 12 01 01   1 11  199.8  0.409  1.429  0.005  503.  627.    -29.4  0.15   3.22   0.23    3.68
 78.   10.1  297.9    5.5
 12 01 01   1 12  232.3  0.300  1.889  0.005  999.  402.    -10.0  0.32   3.22   0.22    1.80
 333.    9.1  299.4    5.5
 12 01 01   1 13  230.0  0.300  2.134  0.005 1453.  394.    -10.1  0.32   3.22   0.22    1.80
 72.    9.1  300.4    5.5
 12 01 01   1 14  194.0  0.294  2.109  0.005 1663.  382.    -11.2  0.32   3.22   0.24    1.80
 277.    9.1  301.0    5.5
 12 01 01   1 15  126.3  0.378  1.872  0.005 1784.  557.    -36.5  0.32   3.22   0.27    2.70
 243.    9.1  301.0    5.5
 12 01 01   1 16   39.5  0.199  1.278  0.005 1817.  240.    -17.2  0.32   3.22   0.36    1.30
 274.    9.1  300.1    5.5
 12 01 01   1 17   -4.7  0.101 -9.000 -9.000 -999.   85.     19.0  0.32   3.22   0.65    0.90
 252.    9.1  298.2    5.5
 12 01 01   1 18   -4.9  0.102 -9.000 -9.000 -999.   78.     18.2  0.32   3.22   1.00    0.90
 116.    9.1  296.4    5.5
 12 01 01   1 19  -18.8  0.204 -9.000 -9.000 -999.  220.     45.6  0.15   3.22   1.00    2.27
 79.   10.1  292.2    5.5
 12 01 01   1 20   -5.0  0.102 -9.000 -9.000 -999.   83.     18.1  0.32   3.22   1.00    0.90
 95.    9.1  290.2    5.5
 12 01 01   1 21   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00    0.90
 99.    9.1  287.8    5.5
 12 01 01   1 22   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00    0.90
 110.    9.1  287.6    5.5
 12 01 01   1 23  -10.6  0.149 -9.000 -9.000 -999.  138.     26.8  0.32   3.22   1.00    1.30
 89.    9.1  287.2    5.5
 12 01 01   1 24   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00    0.90
 105.    9.1  285.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   285.5   99.0  -99.00  -99.00
 12 01 01 01    9.1 1  110.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       11:33:15

                      PAGE 101
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                           *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR
                           SOURCE GROUP: ALL      ***
                               INCLUDING SOURCE(S):     VOL1        , VOL2        ,
                               VOL3        , VOL4        , VOL5        ,
                    VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
                    VOL11       , VOL12       , VOL13       ,
                    VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
                    VOL19       , VOL20       , VOL21       ,
                    VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
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VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
493343.85	3762037.28	0.00032	493409.97	3761986.39	0.00034
493417.46	3761972.99	0.00035	493468.31	3761958.40	0.00035
493499.84	3761947.37	0.00036	493614.36	3761892.81	0.00037
493613.66	3761905.05	0.00035	493614.36	3761917.12	0.00034
493614.36	3761927.44	0.00033	493613.31	3761940.20	0.00031
493616.46	3761952.10	0.00030	493615.23	3761961.71	0.00029
493614.53	3761973.78	0.00029	493614.01	3761984.98	0.00028
493613.66	3761996.52	0.00027	493614.18	3762007.36	0.00027
493615.76	3762018.56	0.00026	493614.71	3762025.73	0.00026
493614.36	3762035.00	0.00025	493613.13	3762043.74	0.00025
493613.66	3762052.14	0.00025	493613.83	3762061.58	0.00024
493614.18	3762071.55	0.00024	493696.46	3761742.53	0.00050
493707.35	3761768.92	0.00045	493727.98	3761742.80	0.00045
493755.61	3761733.69	0.00043	493750.48	3761720.58	0.00045
493745.92	3761709.48	0.00046	493741.37	3761696.95	0.00048
493738.52	3761681.00	0.00050	493737.38	3761663.91	0.00052
493736.52	3761651.38	0.00053	494418.08	3761416.13	0.00157
494473.73	3761368.11	0.00376	494939.85	3761394.35	0.00056
494686.37	3761403.42	0.01031	494575.98	3761568.60	0.00063
494541.49	3761602.79	0.00055	494822.53	3761435.24	0.00093
494846.18	3761504.63	0.00051	494841.06	3761535.78	0.00044
494837.90	3761553.12	0.00041	494885.61	3761199.09	0.00065
494976.68	3761325.65	0.00052	494985.35	3761366.25	0.00048
495070.90	3761299.23	0.00039	495115.47	3760632.60	0.00019
495069.03	3760685.30	0.00021	495087.55	3760728.31	0.00022
495079.90	3760834.52	0.00025	495202.38	3760883.65	0.00023
495237.63	3760939.31	0.00023	495298.45	3761048.56	0.00023
490844.43	3759375.83	0.00005	490895.79		

3759357.70 0.00005
490596.67 3759246.67 0.00005 489103.59
3759859.22 0.00004
488940.48 3759893.26 0.00004 488472.34
3759865.64 0.00004
488432.53 3759884.27 0.00004 488713.15
3759827.76 0.00004
487562.29 3760285.62 0.00003 487809.35
3760420.86 0.00003
487553.10 3761208.24 0.00003 487899.76
3760972.40 0.00004
487983.18 3762301.23 0.00004 487913.66
3762403.25 0.00004
487890.59 3762238.09 0.00004 488190.14
3762513.88 0.00004
488424.39 3762586.51 0.00004 488657.54
3762495.87 0.00005
488908.17 3762583.23 0.00006 489170.26
3762660.77 0.00007
489382.17 3762809.64 0.00008 489294.91
3762783.65 0.00007
489889.72 3762661.22 0.00020 490022.93
3762783.29 0.00014
490423.96 3762839.25 0.00015 490375.94
3762870.37 0.00014

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
491453.08	3762845.48	0.00016	491132.33	3762903.51	0.00014
492890.92	3762203.25	0.00054	492961.55	3762258.51	0.00043
493033.99	3762272.60	0.00035	493032.31	3762205.18	0.00037
493087.32	3762215.25	0.00033	493079.94	3762296.41	0.00031
493163.79	3762367.18	0.00026	493068.87	3762510.05	0.00024
493101.07	3762454.71	0.00025	493281.84	3762369.19	0.00022
493351.51	3762095.42	0.00028	493439.48		

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.01031 AT (494686.37, 3761403.42, 733.03, 733.03, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00376 AT (494473.73, 3761368.11, 723.51, 723.51, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00157 AT (494418.08, 3761416.13, 723.26, 723.26, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00093 AT (494822.53, 3761435.24, 735.93, 740.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00065 AT (494885.61, 3761199.09, 718.84, 718.84, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00063 AT (494575.98, 3761568.60, 731.52, 731.52, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00056 AT (494939.85, 3761394.35, 726.79, 740.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00055 AT (494541.49, 3761602.79, 730.59, 730.59, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00054 AT (493758.37, 3761524.30, 724.76, 724.76, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00054 AT (492890.92, 3762203.25, 695.85, 718.00, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

 A Total of   0 Fatal Error Message(s)
 A Total of   2 Warning Message(s)
 A Total of   388 Informational Message(s)

 A Total of   43848 Hours Were Processed

 A Total of   191 Calm Hours Identified

 A Total of   197 Missing Hours Identified (0.45 Percent)

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

    ********   WARNING MESSAGES   ********
 ME W186   1547   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
 ME W187   1547   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 5/22/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops HRA\15218 Ops HRA.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops CO\1
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "15218 Ops HRA.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC PA2 Ide W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0004719
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 493630.865, 3761022.869, 696.01, 3.49, 4.00
** 493846.274, 3760989.866, 681.24, 3.49, 4.00
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   LOCATION L0002041     VOLUME   493635.111 3761022.218 695.78
   LOCATION L0002042     VOLUME   493643.602 3761020.917 695.51
   LOCATION L0002043     VOLUME   493652.093 3761019.617 695.14
   LOCATION L0002044     VOLUME   493660.584 3761018.316 694.66
   LOCATION L0002045     VOLUME   493669.075 3761017.015 693.70
   LOCATION L0002046     VOLUME   493677.566 3761015.714 692.70
   LOCATION L0002047     VOLUME   493686.056 3761014.413 691.64
   LOCATION L0002048     VOLUME   493694.547 3761013.112 691.35
   LOCATION L0002049     VOLUME   493703.038 3761011.811 691.89
   LOCATION L0002050     VOLUME   493711.529 3761010.510 692.49
   LOCATION L0002051     VOLUME   493720.020 3761009.209 693.13
   LOCATION L0002052     VOLUME   493728.511 3761007.909 692.90
   LOCATION L0002053     VOLUME   493737.002 3761006.608 692.71
   LOCATION L0002054     VOLUME   493745.493 3761005.307 692.59
   LOCATION L0002055     VOLUME   493753.984 3761004.006 691.95
   LOCATION L0002056     VOLUME   493762.475 3761002.705 690.44
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   LOCATION L0002057     VOLUME   493770.966 3761001.404 688.81
   LOCATION L0002058     VOLUME   493779.457 3761000.103 687.06
   LOCATION L0002059     VOLUME   493787.948 3760998.802 685.56
   LOCATION L0002060     VOLUME   493796.438 3760997.501 684.13
   LOCATION L0002061     VOLUME   493804.929 3760996.201 682.72
   LOCATION L0002062     VOLUME   493813.420 3760994.900 681.86
   LOCATION L0002063     VOLUME   493821.911 3760993.599 681.56
   LOCATION L0002064     VOLUME   493830.402 3760992.298 681.29
   LOCATION L0002065     VOLUME   493838.893 3760990.997 681.04
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC PA2 Idle E
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0004719
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 493884.183, 3760984.068, 683.57, 3.49, 4.00
** 494099.146, 3760949.728, 694.39, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002066     VOLUME   493888.424 3760983.391 683.87
   LOCATION L0002067     VOLUME   493896.906 3760982.036 684.35
   LOCATION L0002068     VOLUME   493905.389 3760980.681 684.61
   LOCATION L0002069     VOLUME   493913.871 3760979.326 684.71
   LOCATION L0002070     VOLUME   493922.354 3760977.971 684.75
   LOCATION L0002071     VOLUME   493930.836 3760976.615 684.77
   LOCATION L0002072     VOLUME   493939.319 3760975.260 685.23
   LOCATION L0002073     VOLUME   493947.801 3760973.905 685.73
   LOCATION L0002074     VOLUME   493956.284 3760972.550 686.29
   LOCATION L0002075     VOLUME   493964.766 3760971.195 686.94
   LOCATION L0002076     VOLUME   493973.248 3760969.840 687.65
   LOCATION L0002077     VOLUME   493981.731 3760968.485 688.37
   LOCATION L0002078     VOLUME   493990.213 3760967.130 689.08
   LOCATION L0002079     VOLUME   493998.696 3760965.775 689.82
   LOCATION L0002080     VOLUME   494007.178 3760964.420 690.63
   LOCATION L0002081     VOLUME   494015.661 3760963.065 691.50
   LOCATION L0002082     VOLUME   494024.143 3760961.710 692.04
   LOCATION L0002083     VOLUME   494032.626 3760960.355 692.16
   LOCATION L0002084     VOLUME   494041.108 3760958.999 692.33
   LOCATION L0002085     VOLUME   494049.590 3760957.644 692.56
   LOCATION L0002086     VOLUME   494058.073 3760956.289 692.92
   LOCATION L0002087     VOLUME   494066.555 3760954.934 693.29
   LOCATION L0002088     VOLUME   494075.038 3760953.579 693.67
   LOCATION L0002089     VOLUME   494083.520 3760952.224 694.00
   LOCATION L0002090     VOLUME   494092.003 3760950.869 694.20
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC PA2 TTP Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00002535
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 493623.546, 3760986.044, 694.76, 3.49, 4.00
** 494047.239, 3760921.375, 694.28, 3.49, 4.00
** 494043.671, 3760903.089, 694.94, 3.49, 4.00
** 493623.546, 3760968.204, 693.19, 3.49, 4.00
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LOCATION L0002091 VOLUME 493627.792 3760985.395 694.62
LOCATION L0002092 VOLUME 493636.284 3760984.099 692.92
LOCATION L0002093 VOLUME 493644.775 3760982.803 690.89
LOCATION L0002094 VOLUME 493653.267 3760981.507 688.71
LOCATION L0002095 VOLUME 493661.759 3760980.211 686.64
LOCATION L0002096 VOLUME 493670.250 3760978.915 685.82
LOCATION L0002097 VOLUME 493678.742 3760977.619 685.11
LOCATION L0002098 VOLUME 493687.234 3760976.323 684.49
LOCATION L0002099 VOLUME 493695.725 3760975.027 684.39
LOCATION L0002100 VOLUME 493704.217 3760973.731 684.47
LOCATION L0002101 VOLUME 493712.709 3760972.435 684.45
LOCATION L0002102 VOLUME 493721.200 3760971.138 684.39
LOCATION L0002103 VOLUME 493729.692 3760969.842 684.83
LOCATION L0002104 VOLUME 493738.184 3760968.546 685.31
LOCATION L0002105 VOLUME 493746.675 3760967.250 685.85
LOCATION L0002106 VOLUME 493755.167 3760965.954 685.65
LOCATION L0002107 VOLUME 493763.658 3760964.658 684.98
LOCATION L0002108 VOLUME 493772.150 3760963.362 684.33
LOCATION L0002109 VOLUME 493780.642 3760962.066 683.69
LOCATION L0002110 VOLUME 493789.133 3760960.770 682.86
LOCATION L0002111 VOLUME 493797.625 3760959.474 682.08
LOCATION L0002112 VOLUME 493806.117 3760958.177 681.35
LOCATION L0002113 VOLUME 493814.608 3760956.881 680.96
LOCATION L0002114 VOLUME 493823.100 3760955.585 680.85
LOCATION L0002115 VOLUME 493831.592 3760954.289 680.72
LOCATION L0002116 VOLUME 493840.083 3760952.993 680.56
LOCATION L0002117 VOLUME 493848.575 3760951.697 680.66
LOCATION L0002118 VOLUME 493857.067 3760950.401 680.74
LOCATION L0002119 VOLUME 493865.558 3760949.105 680.79
LOCATION L0002120 VOLUME 493874.050 3760947.809 680.82
LOCATION L0002121 VOLUME 493882.542 3760946.513 680.83
LOCATION L0002122 VOLUME 493891.033 3760945.217 680.81
LOCATION L0002123 VOLUME 493899.525 3760943.920 680.76
LOCATION L0002124 VOLUME 493908.017 3760942.624 680.84
LOCATION L0002125 VOLUME 493916.508 3760941.328 680.96
LOCATION L0002126 VOLUME 493925.000 3760940.032 681.10
LOCATION L0002127 VOLUME 493933.492 3760938.736 681.48
LOCATION L0002128 VOLUME 493941.983 3760937.440 682.25
LOCATION L0002129 VOLUME 493950.475 3760936.144 683.02
LOCATION L0002130 VOLUME 493958.967 3760934.848 683.95
LOCATION L0002131 VOLUME 493967.458 3760933.552 684.97
LOCATION L0002132 VOLUME 493975.950 3760932.256 686.10
LOCATION L0002133 VOLUME 493984.442 3760930.959 687.32
LOCATION L0002134 VOLUME 493992.933 3760929.663 688.69
LOCATION L0002135 VOLUME 494001.425 3760928.367 690.13
LOCATION L0002136 VOLUME 494009.917 3760927.071 691.50
LOCATION L0002137 VOLUME 494018.408 3760925.775 692.79
LOCATION L0002138 VOLUME 494026.900 3760924.479 693.44
LOCATION L0002139 VOLUME 494035.391 3760923.183 693.87
LOCATION L0002140 VOLUME 494043.883 3760921.887 694.25
LOCATION L0002141 VOLUME 494046.244 3760916.276 694.57
LOCATION L0002142 VOLUME 494044.599 3760907.845 694.92
LOCATION L0002143 VOLUME 494039.971 3760903.662 694.89
LOCATION L0002144 VOLUME 494031.482 3760904.978 694.93
LOCATION L0002145 VOLUME 494022.994 3760906.294 694.99
LOCATION L0002146 VOLUME 494014.505 3760907.609 694.44
LOCATION L0002147 VOLUME 494006.017 3760908.925 693.65
LOCATION L0002148 VOLUME 493997.528 3760910.241 692.77
LOCATION L0002149 VOLUME 493989.039 3760911.556 691.66
LOCATION L0002150 VOLUME 493980.551 3760912.872 689.68
LOCATION L0002151 VOLUME 493972.062 3760914.188 687.79
LOCATION L0002152 VOLUME 493963.573 3760915.503 686.00
LOCATION L0002153 VOLUME 493955.085 3760916.819 684.77
LOCATION L0002154 VOLUME 493946.596 3760918.135 683.83
LOCATION L0002155 VOLUME 493938.107 3760919.450 682.90
LOCATION L0002156 VOLUME 493929.619 3760920.766 682.02

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   LOCATION L0002157     VOLUME   493921.130 3760922.081 681.78
   LOCATION L0002158     VOLUME   493912.641 3760923.397 681.52
   LOCATION L0002159     VOLUME   493904.153 3760924.713 681.23
   LOCATION L0002160     VOLUME   493895.664 3760926.028 680.91
   LOCATION L0002161     VOLUME   493887.175 3760927.344 680.63
   LOCATION L0002162     VOLUME   493878.687 3760928.660 680.39
   LOCATION L0002163     VOLUME   493870.198 3760929.975 680.21
   LOCATION L0002164     VOLUME   493861.709 3760931.291 680.12
   LOCATION L0002165     VOLUME   493853.221 3760932.607 680.05
   LOCATION L0002166     VOLUME   493844.732 3760933.922 680.01
   LOCATION L0002167     VOLUME   493836.244 3760935.238 680.13
   LOCATION L0002168     VOLUME   493827.755 3760936.554 680.43
   LOCATION L0002169     VOLUME   493819.266 3760937.869 680.72
   LOCATION L0002170     VOLUME   493810.778 3760939.185 680.99
   LOCATION L0002171     VOLUME   493802.289 3760940.501 681.34
   LOCATION L0002172     VOLUME   493793.800 3760941.816 681.76
   LOCATION L0002173     VOLUME   493785.312 3760943.132 682.22
   LOCATION L0002174     VOLUME   493776.823 3760944.448 682.70
   LOCATION L0002175     VOLUME   493768.334 3760945.763 683.16
   LOCATION L0002176     VOLUME   493759.846 3760947.079 683.65
   LOCATION L0002177     VOLUME   493751.357 3760948.394 684.17
   LOCATION L0002178     VOLUME   493742.868 3760949.710 684.15
   LOCATION L0002179     VOLUME   493734.380 3760951.026 683.96
   LOCATION L0002180     VOLUME   493725.891 3760952.341 683.68
   LOCATION L0002181     VOLUME   493717.402 3760953.657 683.38
   LOCATION L0002182     VOLUME   493708.914 3760954.973 683.23
   LOCATION L0002183     VOLUME   493700.425 3760956.288 683.11
   LOCATION L0002184     VOLUME   493691.936 3760957.604 683.02
   LOCATION L0002185     VOLUME   493683.448 3760958.920 683.06
   LOCATION L0002186     VOLUME   493674.959 3760960.235 683.10
   LOCATION L0002187     VOLUME   493666.471 3760961.551 683.12
   LOCATION L0002188     VOLUME   493657.982 3760962.867 683.89
   LOCATION L0002189     VOLUME   493649.493 3760964.182 686.68
   LOCATION L0002190     VOLUME   493641.005 3760965.498 689.46
   LOCATION L0002191     VOLUME   493632.516 3760966.814 692.32
   LOCATION L0002192     VOLUME   493624.027 3760968.129 694.35
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC PA3 3A Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.693E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 493434.299, 3761542.847, 694.05, 3.49, 4.00
** 493436.083, 3761355.970, 682.69, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002193     VOLUME   493434.340 3761538.552 694.89
   LOCATION L0002194     VOLUME   493434.422 3761529.963 693.51
   LOCATION L0002195     VOLUME   493434.504 3761521.373 692.21
   LOCATION L0002196     VOLUME   493434.586 3761512.784 690.90
   LOCATION L0002197     VOLUME   493434.668 3761504.194 689.64
   LOCATION L0002198     VOLUME   493434.750 3761495.604 688.50
   LOCATION L0002199     VOLUME   493434.832 3761487.015 687.36
   LOCATION L0002200     VOLUME   493434.914 3761478.425 686.22
   LOCATION L0002201     VOLUME   493434.996 3761469.836 685.84
   LOCATION L0002202     VOLUME   493435.078 3761461.246 685.72
   LOCATION L0002203     VOLUME   493435.160 3761452.656 685.59
   LOCATION L0002204     VOLUME   493435.242 3761444.067 685.42
   LOCATION L0002205     VOLUME   493435.324 3761435.477 685.14
   LOCATION L0002206     VOLUME   493435.406 3761426.887 684.87
   LOCATION L0002207     VOLUME   493435.488 3761418.298 684.59
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   LOCATION L0002208     VOLUME   493435.570 3761409.708 684.31
   LOCATION L0002209     VOLUME   493435.652 3761401.119 684.02
   LOCATION L0002210     VOLUME   493435.734 3761392.529 683.73
   LOCATION L0002211     VOLUME   493435.816 3761383.939 683.48
   LOCATION L0002212     VOLUME   493435.898 3761375.350 683.33
   LOCATION L0002213     VOLUME   493435.980 3761366.760 683.18
   LOCATION L0002214     VOLUME   493436.062 3761358.171 683.03
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC PA3 3B Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.693E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 493558.289, 3761396.111, 682.13, 3.49, 4.00
** 493557.397, 3761367.566, 682.48, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002215     VOLUME   493558.155 3761391.818 682.00
   LOCATION L0002216     VOLUME   493557.887 3761383.232 682.04
   LOCATION L0002217     VOLUME   493557.618 3761374.646 682.16
** End of LINE VOLUME Source ID = SLINE5
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC PA4 Idle W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001077
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 493126.108, 3761424.655, 684.77, 3.49, 4.00
** 493127.000, 3761155.267, 684.79, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002218     VOLUME   493126.122 3761420.360 685.03
   LOCATION L0002219     VOLUME   493126.151 3761411.770 684.70
   LOCATION L0002220     VOLUME   493126.179 3761403.180 684.13
   LOCATION L0002221     VOLUME   493126.208 3761394.590 683.56
   LOCATION L0002222     VOLUME   493126.236 3761386.001 683.00
   LOCATION L0002223     VOLUME   493126.265 3761377.411 683.00
   LOCATION L0002224     VOLUME   493126.293 3761368.821 683.00
   LOCATION L0002225     VOLUME   493126.321 3761360.231 683.00
   LOCATION L0002226     VOLUME   493126.350 3761351.641 683.06
   LOCATION L0002227     VOLUME   493126.378 3761343.051 683.18
   LOCATION L0002228     VOLUME   493126.407 3761334.461 683.30
   LOCATION L0002229     VOLUME   493126.435 3761325.871 683.51
   LOCATION L0002230     VOLUME   493126.464 3761317.281 685.97
   LOCATION L0002231     VOLUME   493126.492 3761308.691 688.43
   LOCATION L0002232     VOLUME   493126.521 3761300.101 690.89
   LOCATION L0002233     VOLUME   493126.549 3761291.511 691.85
   LOCATION L0002234     VOLUME   493126.577 3761282.921 691.58
   LOCATION L0002235     VOLUME   493126.606 3761274.331 691.31
   LOCATION L0002236     VOLUME   493126.634 3761265.741 690.92
   LOCATION L0002237     VOLUME   493126.663 3761257.151 688.51
   LOCATION L0002238     VOLUME   493126.691 3761248.561 686.10
   LOCATION L0002239     VOLUME   493126.720 3761239.971 683.69
   LOCATION L0002240     VOLUME   493126.748 3761231.381 682.97
   LOCATION L0002241     VOLUME   493126.777 3761222.791 683.54
   LOCATION L0002242     VOLUME   493126.805 3761214.201 684.12
   LOCATION L0002243     VOLUME   493126.833 3761205.611 684.67
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   LOCATION L0002244     VOLUME   493126.862 3761197.022 684.90
   LOCATION L0002245     VOLUME   493126.890 3761188.432 685.12
   LOCATION L0002246     VOLUME   493126.919 3761179.842 685.35
   LOCATION L0002247     VOLUME   493126.947 3761171.252 685.33
   LOCATION L0002248     VOLUME   493126.976 3761162.662 685.14
** End of LINE VOLUME Source ID = SLINE6
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC PA4 Idle E
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001077
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 493326.811, 3761425.547, 683.21, 3.49, 4.00
** 493328.595, 3761173.999, 681.99, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0002249     VOLUME   493326.842 3761421.252 683.49
   LOCATION L0002250     VOLUME   493326.903 3761412.663 683.46
   LOCATION L0002251     VOLUME   493326.964 3761404.073 683.74
   LOCATION L0002252     VOLUME   493327.025 3761395.483 684.02
   LOCATION L0002253     VOLUME   493327.085 3761386.893 684.30
   LOCATION L0002254     VOLUME   493327.146 3761378.304 684.07
   LOCATION L0002255     VOLUME   493327.207 3761369.714 683.78
   LOCATION L0002256     VOLUME   493327.268 3761361.124 683.48
   LOCATION L0002257     VOLUME   493327.329 3761352.534 683.54
   LOCATION L0002258     VOLUME   493327.390 3761343.944 684.09
   LOCATION L0002259     VOLUME   493327.451 3761335.355 684.66
   LOCATION L0002260     VOLUME   493327.512 3761326.765 685.24
   LOCATION L0002261     VOLUME   493327.573 3761318.175 688.59
   LOCATION L0002262     VOLUME   493327.634 3761309.585 692.13
   LOCATION L0002263     VOLUME   493327.695 3761300.995 695.68
   LOCATION L0002264     VOLUME   493327.756 3761292.406 697.95
   LOCATION L0002265     VOLUME   493327.817 3761283.816 698.60
   LOCATION L0002266     VOLUME   493327.877 3761275.226 699.25
   LOCATION L0002267     VOLUME   493327.938 3761266.636 699.89
   LOCATION L0002268     VOLUME   493327.999 3761258.047 698.73
   LOCATION L0002269     VOLUME   493328.060 3761249.457 697.47
   LOCATION L0002270     VOLUME   493328.121 3761240.867 696.19
   LOCATION L0002271     VOLUME   493328.182 3761232.277 693.73
   LOCATION L0002272     VOLUME   493328.243 3761223.687 689.86
   LOCATION L0002273     VOLUME   493328.304 3761215.098 685.98
   LOCATION L0002274     VOLUME   493328.365 3761206.508 682.10
   LOCATION L0002275     VOLUME   493328.426 3761197.918 682.20
   LOCATION L0002276     VOLUME   493328.487 3761189.328 682.44
   LOCATION L0002277     VOLUME   493328.548 3761180.738 682.68
** End of LINE VOLUME Source ID = SLINE7
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC PA4 TTP Idle W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.591E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 493086.857, 3761426.887, 683.04, 3.49, 4.00
** 493090.425, 3761151.251, 683.95, 3.49, 4.00
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   LOCATION L0002278     VOLUME   493086.913 3761422.593 682.91
   LOCATION L0002279     VOLUME   493087.024 3761414.003 682.89
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   LOCATION L0002280     VOLUME   493087.135 3761405.414 682.89
   LOCATION L0002281     VOLUME   493087.246 3761396.825 682.90
   LOCATION L0002282     VOLUME   493087.357 3761388.236 682.90
   LOCATION L0002283     VOLUME   493087.469 3761379.646 682.91
   LOCATION L0002284     VOLUME   493087.580 3761371.057 682.91
   LOCATION L0002285     VOLUME   493087.691 3761362.468 682.91
   LOCATION L0002286     VOLUME   493087.802 3761353.878 682.92
   LOCATION L0002287     VOLUME   493087.913 3761345.289 682.92
   LOCATION L0002288     VOLUME   493088.025 3761336.700 682.92
   LOCATION L0002289     VOLUME   493088.136 3761328.111 682.93
   LOCATION L0002290     VOLUME   493088.247 3761319.521 683.57
   LOCATION L0002291     VOLUME   493088.358 3761310.932 684.40
   LOCATION L0002292     VOLUME   493088.469 3761302.343 685.23
   LOCATION L0002293     VOLUME   493088.580 3761293.753 685.51
   LOCATION L0002294     VOLUME   493088.692 3761285.164 684.40
   LOCATION L0002295     VOLUME   493088.803 3761276.575 683.29
   LOCATION L0002296     VOLUME   493088.914 3761267.986 682.18
   LOCATION L0002297     VOLUME   493089.025 3761259.396 682.19
   LOCATION L0002298     VOLUME   493089.136 3761250.807 682.50
   LOCATION L0002299     VOLUME   493089.248 3761242.218 682.79
   LOCATION L0002300     VOLUME   493089.359 3761233.629 683.00
   LOCATION L0002301     VOLUME   493089.470 3761225.039 682.99
   LOCATION L0002302     VOLUME   493089.581 3761216.450 682.98
   LOCATION L0002303     VOLUME   493089.692 3761207.861 682.98
   LOCATION L0002304     VOLUME   493089.804 3761199.271 683.21
   LOCATION L0002305     VOLUME   493089.915 3761190.682 683.50
   LOCATION L0002306     VOLUME   493090.026 3761182.093 683.79
   LOCATION L0002307     VOLUME   493090.137 3761173.504 683.99
   LOCATION L0002308     VOLUME   493090.248 3761164.914 684.00
   LOCATION L0002309     VOLUME   493090.359 3761156.325 684.00
** End of LINE VOLUME Source ID = SLINE8
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** LINE VOLUME Source ID = SLINE9
** DESCRSRC PA4 TTP Idle E
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.591E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
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** 493366.061, 3761429.117, 681.18, 3.49, 4.00
** 493366.953, 3761171.322, 670.89, 3.49, 4.00
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   LOCATION L0002310     VOLUME   493366.076 3761424.822 681.23
   LOCATION L0002311     VOLUME   493366.106 3761416.232 681.00
   LOCATION L0002312     VOLUME   493366.135 3761407.643 681.00
   LOCATION L0002313     VOLUME   493366.165 3761399.053 681.00
   LOCATION L0002314     VOLUME   493366.195 3761390.463 681.00
   LOCATION L0002315     VOLUME   493366.225 3761381.873 680.85
   LOCATION L0002316     VOLUME   493366.254 3761373.283 680.57
   LOCATION L0002317     VOLUME   493366.284 3761364.693 680.28
   LOCATION L0002318     VOLUME   493366.314 3761356.103 680.00
   LOCATION L0002319     VOLUME   493366.344 3761347.513 679.77
   LOCATION L0002320     VOLUME   493366.373 3761338.923 679.54
   LOCATION L0002321     VOLUME   493366.403 3761330.333 679.31
   LOCATION L0002322     VOLUME   493366.433 3761321.743 680.48
   LOCATION L0002323     VOLUME   493366.462 3761313.153 682.93
   LOCATION L0002324     VOLUME   493366.492 3761304.563 685.36
   LOCATION L0002325     VOLUME   493366.522 3761295.973 687.69
   LOCATION L0002326     VOLUME   493366.552 3761287.383 686.59
   LOCATION L0002327     VOLUME   493366.581 3761278.793 685.50
   LOCATION L0002328     VOLUME   493366.611 3761270.203 684.40
   LOCATION L0002329     VOLUME   493366.641 3761261.613 683.67
   LOCATION L0002330     VOLUME   493366.670 3761253.023 683.25
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   LOCATION L0002331     VOLUME   493366.700 3761244.433 682.83
   LOCATION L0002332     VOLUME   493366.730 3761235.844 682.31
   LOCATION L0002333     VOLUME   493366.760 3761227.254 679.52
   LOCATION L0002334     VOLUME   493366.789 3761218.664 676.73
   LOCATION L0002335     VOLUME   493366.819 3761210.074 673.94
   LOCATION L0002336     VOLUME   493366.849 3761201.484 672.29
   LOCATION L0002337     VOLUME   493366.879 3761192.894 671.55
   LOCATION L0002338     VOLUME   493366.908 3761184.304 670.81
   LOCATION L0002339     VOLUME   493366.938 3761175.714 670.09
** End of LINE VOLUME Source ID = SLINE9
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE10
** DESCRSRC PA5 Idle W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001077
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 492826.122, 3761438.185, 685.93, 3.49, 4.00
** 492828.221, 3761152.207, 696.15, 3.49, 4.00
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   LOCATION L0002340     VOLUME   492826.153 3761433.890 686.14
   LOCATION L0002341     VOLUME   492826.216 3761425.300 685.97
   LOCATION L0002342     VOLUME   492826.279 3761416.711 685.81
   LOCATION L0002343     VOLUME   492826.343 3761408.121 685.21
   LOCATION L0002344     VOLUME   492826.406 3761399.531 684.59
   LOCATION L0002345     VOLUME   492826.469 3761390.941 683.96
   LOCATION L0002346     VOLUME   492826.532 3761382.351 684.03
   LOCATION L0002347     VOLUME   492826.595 3761373.762 684.94
   LOCATION L0002348     VOLUME   492826.658 3761365.172 685.85
   LOCATION L0002349     VOLUME   492826.721 3761356.582 686.75
   LOCATION L0002350     VOLUME   492826.784 3761347.992 687.00
   LOCATION L0002351     VOLUME   492826.847 3761339.403 687.22
   LOCATION L0002352     VOLUME   492826.910 3761330.813 687.44
   LOCATION L0002353     VOLUME   492826.973 3761322.223 687.29
   LOCATION L0002354     VOLUME   492827.036 3761313.633 686.71
   LOCATION L0002355     VOLUME   492827.099 3761305.044 686.13
   LOCATION L0002356     VOLUME   492827.162 3761296.454 685.56
   LOCATION L0002357     VOLUME   492827.225 3761287.864 684.42
   LOCATION L0002358     VOLUME   492827.288 3761279.274 683.27
   LOCATION L0002359     VOLUME   492827.351 3761270.684 682.12
   LOCATION L0002360     VOLUME   492827.414 3761262.095 681.49
   LOCATION L0002361     VOLUME   492827.477 3761253.505 681.40
   LOCATION L0002362     VOLUME   492827.540 3761244.915 681.32
   LOCATION L0002363     VOLUME   492827.603 3761236.325 681.24
   LOCATION L0002364     VOLUME   492827.666 3761227.736 683.16
   LOCATION L0002365     VOLUME   492827.730 3761219.146 685.09
   LOCATION L0002366     VOLUME   492827.793 3761210.556 687.03
   LOCATION L0002367     VOLUME   492827.856 3761201.966 688.92
   LOCATION L0002368     VOLUME   492827.919 3761193.377 690.78
   LOCATION L0002369     VOLUME   492827.982 3761184.787 692.64
   LOCATION L0002370     VOLUME   492828.045 3761176.197 694.49
   LOCATION L0002371     VOLUME   492828.108 3761167.607 694.99
   LOCATION L0002372     VOLUME   492828.171 3761159.017 695.50
** End of LINE VOLUME Source ID = SLINE10
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC PA5 Idle E
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001077
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** SZINIT = 3.25
** Nodes = 2
** 493020.797, 3761440.284, 684.13, 3.49, 4.00
** 493022.371, 3761153.781, 679.68, 3.49, 4.00
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   LOCATION L0002373     VOLUME   493020.820 3761435.989 684.42
   LOCATION L0002374     VOLUME   493020.867 3761427.399 684.51
   LOCATION L0002375     VOLUME   493020.915 3761418.809 684.60
   LOCATION L0002376     VOLUME   493020.962 3761410.219 684.16
   LOCATION L0002377     VOLUME   493021.009 3761401.629 683.49
   LOCATION L0002378     VOLUME   493021.056 3761393.040 682.83
   LOCATION L0002379     VOLUME   493021.103 3761384.450 682.13
   LOCATION L0002380     VOLUME   493021.151 3761375.860 681.27
   LOCATION L0002381     VOLUME   493021.198 3761367.270 680.41
   LOCATION L0002382     VOLUME   493021.245 3761358.680 679.55
   LOCATION L0002383     VOLUME   493021.292 3761350.090 679.42
   LOCATION L0002384     VOLUME   493021.339 3761341.500 679.60
   LOCATION L0002385     VOLUME   493021.387 3761332.910 679.78
   LOCATION L0002386     VOLUME   493021.434 3761324.321 679.89
   LOCATION L0002387     VOLUME   493021.481 3761315.731 679.70
   LOCATION L0002388     VOLUME   493021.528 3761307.141 679.50
   LOCATION L0002389     VOLUME   493021.575 3761298.551 679.31
   LOCATION L0002390     VOLUME   493021.623 3761289.961 679.26
   LOCATION L0002391     VOLUME   493021.670 3761281.371 679.27
   LOCATION L0002392     VOLUME   493021.717 3761272.781 679.28
   LOCATION L0002393     VOLUME   493021.764 3761264.192 679.46
   LOCATION L0002394     VOLUME   493021.811 3761255.602 680.16
   LOCATION L0002395     VOLUME   493021.859 3761247.012 680.85
   LOCATION L0002396     VOLUME   493021.906 3761238.422 681.55
   LOCATION L0002397     VOLUME   493021.953 3761229.832 681.39
   LOCATION L0002398     VOLUME   493022.000 3761221.242 680.95
   LOCATION L0002399     VOLUME   493022.047 3761212.652 680.51
   LOCATION L0002400     VOLUME   493022.094 3761204.062 680.34
   LOCATION L0002401     VOLUME   493022.142 3761195.473 681.00
   LOCATION L0002402     VOLUME   493022.189 3761186.883 681.65
   LOCATION L0002403     VOLUME   493022.236 3761178.293 682.31
   LOCATION L0002404     VOLUME   493022.283 3761169.703 681.81
   LOCATION L0002405     VOLUME   493022.330 3761161.113 680.96
** End of LINE VOLUME Source ID = SLINE11
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE12
** DESCRSRC PA5 TTP Idle W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.591E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 492787.817, 3761441.858, 683.07, 3.49, 4.00
** 492790.965, 3761152.207, 694.25, 3.49, 4.00
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   LOCATION L0002406     VOLUME   492787.863 3761437.563 683.00
   LOCATION L0002407     VOLUME   492787.957 3761428.974 683.00
   LOCATION L0002408     VOLUME   492788.050 3761420.384 683.00
   LOCATION L0002409     VOLUME   492788.143 3761411.795 683.04
   LOCATION L0002410     VOLUME   492788.237 3761403.205 683.12
   LOCATION L0002411     VOLUME   492788.330 3761394.616 683.19
   LOCATION L0002412     VOLUME   492788.423 3761386.026 683.30
   LOCATION L0002413     VOLUME   492788.517 3761377.437 685.58
   LOCATION L0002414     VOLUME   492788.610 3761368.847 687.86
   LOCATION L0002415     VOLUME   492788.704 3761360.258 690.14
   LOCATION L0002416     VOLUME   492788.797 3761351.668 691.34
   LOCATION L0002417     VOLUME   492788.890 3761343.079 691.60
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   LOCATION L0002418     VOLUME   492788.984 3761334.489 691.87
   LOCATION L0002419     VOLUME   492789.077 3761325.900 692.05
   LOCATION L0002420     VOLUME   492789.170 3761317.310 690.30
   LOCATION L0002421     VOLUME   492789.264 3761308.721 688.56
   LOCATION L0002422     VOLUME   492789.357 3761300.131 686.82
   LOCATION L0002423     VOLUME   492789.450 3761291.542 685.24
   LOCATION L0002424     VOLUME   492789.544 3761282.952 683.80
   LOCATION L0002425     VOLUME   492789.637 3761274.363 682.36
   LOCATION L0002426     VOLUME   492789.731 3761265.773 681.02
   LOCATION L0002427     VOLUME   492789.824 3761257.184 681.31
   LOCATION L0002428     VOLUME   492789.917 3761248.594 681.60
   LOCATION L0002429     VOLUME   492790.011 3761240.005 681.88
   LOCATION L0002430     VOLUME   492790.104 3761231.415 682.66
   LOCATION L0002431     VOLUME   492790.197 3761222.826 683.80
   LOCATION L0002432     VOLUME   492790.291 3761214.236 684.93
   LOCATION L0002433     VOLUME   492790.384 3761205.647 686.10
   LOCATION L0002434     VOLUME   492790.477 3761197.057 687.55
   LOCATION L0002435     VOLUME   492790.571 3761188.468 688.99
   LOCATION L0002436     VOLUME   492790.664 3761179.879 690.44
   LOCATION L0002437     VOLUME   492790.758 3761171.289 691.55
   LOCATION L0002438     VOLUME   492790.851 3761162.700 692.41
   LOCATION L0002439     VOLUME   492790.944 3761154.110 693.27
** End of LINE VOLUME Source ID = SLINE12
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE13
** DESCRSRC PA5 TTP Idle E
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.591E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 493058.052, 3761441.858, 682.99, 3.49, 4.00
** 493060.676, 3761153.781, 681.14, 3.49, 4.00
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   LOCATION L0002440     VOLUME   493058.091 3761437.563 682.81
   LOCATION L0002441     VOLUME   493058.170 3761428.974 682.54
   LOCATION L0002442     VOLUME   493058.248 3761420.384 682.27
   LOCATION L0002443     VOLUME   493058.326 3761411.794 682.11
   LOCATION L0002444     VOLUME   493058.404 3761403.205 682.07
   LOCATION L0002445     VOLUME   493058.483 3761394.615 682.03
   LOCATION L0002446     VOLUME   493058.561 3761386.025 682.00
   LOCATION L0002447     VOLUME   493058.639 3761377.436 681.95
   LOCATION L0002448     VOLUME   493058.717 3761368.846 681.91
   LOCATION L0002449     VOLUME   493058.796 3761360.256 681.87
   LOCATION L0002450     VOLUME   493058.874 3761351.667 681.88
   LOCATION L0002451     VOLUME   493058.952 3761343.077 681.92
   LOCATION L0002452     VOLUME   493059.030 3761334.487 681.97
   LOCATION L0002453     VOLUME   493059.108 3761325.898 682.01
   LOCATION L0002454     VOLUME   493059.187 3761317.308 682.28
   LOCATION L0002455     VOLUME   493059.265 3761308.719 682.54
   LOCATION L0002456     VOLUME   493059.343 3761300.129 682.81
   LOCATION L0002457     VOLUME   493059.421 3761291.539 682.64
   LOCATION L0002458     VOLUME   493059.500 3761282.950 682.08
   LOCATION L0002459     VOLUME   493059.578 3761274.360 681.53
   LOCATION L0002460     VOLUME   493059.656 3761265.770 681.03
   LOCATION L0002461     VOLUME   493059.734 3761257.181 681.60
   LOCATION L0002462     VOLUME   493059.813 3761248.591 682.17
   LOCATION L0002463     VOLUME   493059.891 3761240.001 682.74
   LOCATION L0002464     VOLUME   493059.969 3761231.412 682.83
   LOCATION L0002465     VOLUME   493060.047 3761222.822 682.54
   LOCATION L0002466     VOLUME   493060.125 3761214.232 682.26
   LOCATION L0002467     VOLUME   493060.204 3761205.643 682.00
   LOCATION L0002468     VOLUME   493060.282 3761197.053 682.00
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   LOCATION L0002469     VOLUME   493060.360 3761188.464 682.00
   LOCATION L0002470     VOLUME   493060.438 3761179.874 682.01
   LOCATION L0002471     VOLUME   493060.517 3761171.284 681.85
   LOCATION L0002472     VOLUME   493060.595 3761162.695 681.57
   LOCATION L0002473     VOLUME   493060.673 3761154.105 681.30
** End of LINE VOLUME Source ID = SLINE13
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC PA6 Idle W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001077
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 492548.540, 3761388.860, 686.98, 3.49, 4.00
** 492550.114, 3761051.984, 695.05, 3.49, 4.00
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   LOCATION L0002474     VOLUME   492548.560 3761384.565 686.77
   LOCATION L0002475     VOLUME   492548.600 3761375.975 686.20
   LOCATION L0002476     VOLUME   492548.640 3761367.386 685.63
   LOCATION L0002477     VOLUME   492548.680 3761358.796 685.06
   LOCATION L0002478     VOLUME   492548.721 3761350.206 684.51
   LOCATION L0002479     VOLUME   492548.761 3761341.616 683.97
   LOCATION L0002480     VOLUME   492548.801 3761333.026 683.43
   LOCATION L0002481     VOLUME   492548.841 3761324.436 683.00
   LOCATION L0002482     VOLUME   492548.881 3761315.846 683.02
   LOCATION L0002483     VOLUME   492548.921 3761307.256 683.03
   LOCATION L0002484     VOLUME   492548.961 3761298.666 683.04
   LOCATION L0002485     VOLUME   492549.002 3761290.076 684.11
   LOCATION L0002486     VOLUME   492549.042 3761281.487 685.58
   LOCATION L0002487     VOLUME   492549.082 3761272.897 687.06
   LOCATION L0002488     VOLUME   492549.122 3761264.307 688.57
   LOCATION L0002489     VOLUME   492549.162 3761255.717 690.24
   LOCATION L0002490     VOLUME   492549.202 3761247.127 691.91
   LOCATION L0002491     VOLUME   492549.242 3761238.537 693.59
   LOCATION L0002492     VOLUME   492549.282 3761229.947 694.65
   LOCATION L0002493     VOLUME   492549.323 3761221.357 695.49
   LOCATION L0002494     VOLUME   492549.363 3761212.767 696.33
   LOCATION L0002495     VOLUME   492549.403 3761204.177 697.04
   LOCATION L0002496     VOLUME   492549.443 3761195.587 697.35
   LOCATION L0002497     VOLUME   492549.483 3761186.998 697.65
   LOCATION L0002498     VOLUME   492549.523 3761178.408 697.95
   LOCATION L0002499     VOLUME   492549.563 3761169.818 698.24
   LOCATION L0002500     VOLUME   492549.604 3761161.228 698.52
   LOCATION L0002501     VOLUME   492549.644 3761152.638 698.81
   LOCATION L0002502     VOLUME   492549.684 3761144.048 699.09
   LOCATION L0002503     VOLUME   492549.724 3761135.458 699.36
   LOCATION L0002504     VOLUME   492549.764 3761126.868 699.63
   LOCATION L0002505     VOLUME   492549.804 3761118.278 699.90
   LOCATION L0002506     VOLUME   492549.844 3761109.688 699.10
   LOCATION L0002507     VOLUME   492549.885 3761101.098 697.96
   LOCATION L0002508     VOLUME   492549.925 3761092.509 696.82
   LOCATION L0002509     VOLUME   492549.965 3761083.919 695.91
   LOCATION L0002510     VOLUME   492550.005 3761075.329 695.62
   LOCATION L0002511     VOLUME   492550.045 3761066.739 695.34
   LOCATION L0002512     VOLUME   492550.085 3761058.149 695.05
** End of LINE VOLUME Source ID = SLINE14
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE15
** DESCRSRC PA6 Idle E
** PREFIX
** Length of Side = 8.59
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** Configuration = Adjacent
** Emission Rate = 0.00001077
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 492723.275, 3761389.385, 692.82, 3.49, 4.00
** 492725.899, 3761053.033, 699.95, 3.49, 4.00
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   LOCATION L0002513     VOLUME   492723.308 3761385.090 692.86
   LOCATION L0002514     VOLUME   492723.375 3761376.500 693.59
   LOCATION L0002515     VOLUME   492723.442 3761367.911 694.33
   LOCATION L0002516     VOLUME   492723.509 3761359.321 695.06
   LOCATION L0002517     VOLUME   492723.576 3761350.731 695.15
   LOCATION L0002518     VOLUME   492723.643 3761342.142 694.87
   LOCATION L0002519     VOLUME   492723.710 3761333.552 694.59
   LOCATION L0002520     VOLUME   492723.777 3761324.962 694.10
   LOCATION L0002521     VOLUME   492723.844 3761316.372 692.41
   LOCATION L0002522     VOLUME   492723.911 3761307.783 690.71
   LOCATION L0002523     VOLUME   492723.978 3761299.193 689.01
   LOCATION L0002524     VOLUME   492724.045 3761290.603 687.67
   LOCATION L0002525     VOLUME   492724.112 3761282.013 686.53
   LOCATION L0002526     VOLUME   492724.179 3761273.424 685.38
   LOCATION L0002527     VOLUME   492724.246 3761264.834 684.40
   LOCATION L0002528     VOLUME   492724.313 3761256.244 684.33
   LOCATION L0002529     VOLUME   492724.380 3761247.654 684.26
   LOCATION L0002530     VOLUME   492724.447 3761239.065 684.19
   LOCATION L0002531     VOLUME   492724.514 3761230.475 686.16
   LOCATION L0002532     VOLUME   492724.581 3761221.885 689.15
   LOCATION L0002533     VOLUME   492724.648 3761213.295 692.16
   LOCATION L0002534     VOLUME   492724.715 3761204.706 694.73
   LOCATION L0002535     VOLUME   492724.782 3761196.116 695.31
   LOCATION L0002536     VOLUME   492724.849 3761187.526 695.88
   LOCATION L0002537     VOLUME   492724.916 3761178.936 696.46
   LOCATION L0002538     VOLUME   492724.983 3761170.347 697.07
   LOCATION L0002539     VOLUME   492725.050 3761161.757 697.70
   LOCATION L0002540     VOLUME   492725.117 3761153.167 698.33
   LOCATION L0002541     VOLUME   492725.184 3761144.578 698.85
   LOCATION L0002542     VOLUME   492725.251 3761135.988 698.95
   LOCATION L0002543     VOLUME   492725.318 3761127.398 699.04
   LOCATION L0002544     VOLUME   492725.385 3761118.808 699.14
   LOCATION L0002545     VOLUME   492725.452 3761110.219 699.56
   LOCATION L0002546     VOLUME   492725.519 3761101.629 700.13
   LOCATION L0002547     VOLUME   492725.586 3761093.039 700.70
   LOCATION L0002548     VOLUME   492725.653 3761084.449 701.10
   LOCATION L0002549     VOLUME   492725.720 3761075.860 700.86
   LOCATION L0002550     VOLUME   492725.787 3761067.270 700.61
   LOCATION L0002551     VOLUME   492725.854 3761058.680 700.37
** End of LINE VOLUME Source ID = SLINE15
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** Configuration = Adjacent
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   LOCATION L0002553     VOLUME   492510.284 3761319.829 683.36
   LOCATION L0002554     VOLUME   492510.317 3761311.239 683.83
   LOCATION L0002555     VOLUME   492510.349 3761302.649 684.31
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   LOCATION L0002556     VOLUME   492510.382 3761294.060 685.31
   LOCATION L0002557     VOLUME   492510.415 3761285.470 687.89
   LOCATION L0002558     VOLUME   492510.448 3761276.880 690.46
   LOCATION L0002559     VOLUME   492510.481 3761268.290 693.04
   LOCATION L0002560     VOLUME   492510.513 3761259.700 694.23
   LOCATION L0002561     VOLUME   492510.546 3761251.110 694.99
   LOCATION L0002562     VOLUME   492510.579 3761242.520 695.74
   LOCATION L0002563     VOLUME   492510.612 3761233.930 696.34
   LOCATION L0002564     VOLUME   492510.644 3761225.340 696.53
   LOCATION L0002565     VOLUME   492510.677 3761216.750 696.72
   LOCATION L0002566     VOLUME   492510.710 3761208.160 696.91
   LOCATION L0002567     VOLUME   492510.743 3761199.570 697.41
   LOCATION L0002568     VOLUME   492510.776 3761190.980 697.99
   LOCATION L0002569     VOLUME   492510.808 3761182.390 698.58
   LOCATION L0002570     VOLUME   492510.841 3761173.800 699.06
   LOCATION L0002571     VOLUME   492510.874 3761165.210 699.25
   LOCATION L0002572     VOLUME   492510.907 3761156.621 699.45
   LOCATION L0002573     VOLUME   492510.940 3761148.031 699.65
   LOCATION L0002574     VOLUME   492510.972 3761139.441 699.31
   LOCATION L0002575     VOLUME   492511.005 3761130.851 698.82
   LOCATION L0002576     VOLUME   492511.038 3761122.261 698.34
   LOCATION L0002577     VOLUME   492511.071 3761113.671 697.77
   LOCATION L0002578     VOLUME   492511.103 3761105.081 697.00
   LOCATION L0002579     VOLUME   492511.136 3761096.491 696.23
   LOCATION L0002580     VOLUME   492511.169 3761087.901 695.45
   LOCATION L0002581     VOLUME   492511.202 3761079.311 694.84
   LOCATION L0002582     VOLUME   492511.235 3761070.721 694.27
   LOCATION L0002583     VOLUME   492511.267 3761062.131 693.69
** End of LINE VOLUME Source ID = SLINE16
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE17
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   LOCATION L0002585     VOLUME   492761.679 3761379.124 688.71
   LOCATION L0002586     VOLUME   492761.745 3761370.534 690.99
   LOCATION L0002587     VOLUME   492761.810 3761361.945 693.28
   LOCATION L0002588     VOLUME   492761.876 3761353.355 694.79
   LOCATION L0002589     VOLUME   492761.942 3761344.765 694.80
   LOCATION L0002590     VOLUME   492762.008 3761336.175 694.81
   LOCATION L0002591     VOLUME   492762.073 3761327.586 694.82
   LOCATION L0002592     VOLUME   492762.139 3761318.996 692.91
   LOCATION L0002593     VOLUME   492762.205 3761310.406 690.65
   LOCATION L0002594     VOLUME   492762.271 3761301.816 688.40
   LOCATION L0002595     VOLUME   492762.337 3761293.227 686.34
   LOCATION L0002596     VOLUME   492762.402 3761284.637 684.64
   LOCATION L0002597     VOLUME   492762.468 3761276.047 682.94
   LOCATION L0002598     VOLUME   492762.534 3761267.457 681.24
   LOCATION L0002599     VOLUME   492762.600 3761258.868 681.47
   LOCATION L0002600     VOLUME   492762.665 3761250.278 682.02
   LOCATION L0002601     VOLUME   492762.731 3761241.688 682.57
   LOCATION L0002602     VOLUME   492762.797 3761233.098 684.10
   LOCATION L0002603     VOLUME   492762.863 3761224.509 687.34
   LOCATION L0002604     VOLUME   492762.928 3761215.919 690.56
   LOCATION L0002605     VOLUME   492762.994 3761207.329 693.78
   LOCATION L0002606     VOLUME   492763.060 3761198.739 694.51
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   LOCATION L0002607     VOLUME   492763.126 3761190.150 694.89
   LOCATION L0002608     VOLUME   492763.192 3761181.560 695.27
   LOCATION L0002609     VOLUME   492763.257 3761172.970 695.64
   LOCATION L0002610     VOLUME   492763.323 3761164.380 695.97
   LOCATION L0002611     VOLUME   492763.389 3761155.791 696.31
   LOCATION L0002612     VOLUME   492763.455 3761147.201 696.65
   LOCATION L0002613     VOLUME   492763.520 3761138.611 696.76
   LOCATION L0002614     VOLUME   492763.586 3761130.021 696.85
   LOCATION L0002615     VOLUME   492763.652 3761121.432 696.94
   LOCATION L0002616     VOLUME   492763.718 3761112.842 697.33
   LOCATION L0002617     VOLUME   492763.783 3761104.252 698.15
   LOCATION L0002618     VOLUME   492763.849 3761095.662 698.98
   LOCATION L0002619     VOLUME   492763.915 3761087.073 699.80
   LOCATION L0002620     VOLUME   492763.981 3761078.483 699.68
   LOCATION L0002621     VOLUME   492764.047 3761069.893 699.47
   LOCATION L0002622     VOLUME   492764.112 3761061.303 699.25
   LOCATION L0002623     VOLUME   492764.178 3761052.714 698.73
** End of LINE VOLUME Source ID = SLINE17
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE18
** DESCRSRC PA7 Idle W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001077
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 492212.713, 3761283.390, 696.14, 3.49, 4.00
** 492213.762, 3761081.894, 673.95, 3.49, 4.00
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   LOCATION L0002624     VOLUME   492212.735 3761279.095 694.35
   LOCATION L0002625     VOLUME   492212.780 3761270.505 692.78
   LOCATION L0002626     VOLUME   492212.825 3761261.915 689.69
   LOCATION L0002627     VOLUME   492212.870 3761253.325 685.11
   LOCATION L0002628     VOLUME   492212.914 3761244.735 680.53
   LOCATION L0002629     VOLUME   492212.959 3761236.145 675.99
   LOCATION L0002630     VOLUME   492213.004 3761227.555 674.84
   LOCATION L0002631     VOLUME   492213.048 3761218.966 673.70
   LOCATION L0002632     VOLUME   492213.093 3761210.376 672.55
   LOCATION L0002633     VOLUME   492213.138 3761201.786 673.86
   LOCATION L0002634     VOLUME   492213.183 3761193.196 677.43
   LOCATION L0002635     VOLUME   492213.227 3761184.606 681.00
   LOCATION L0002636     VOLUME   492213.272 3761176.016 684.54
   LOCATION L0002637     VOLUME   492213.317 3761167.426 687.13
   LOCATION L0002638     VOLUME   492213.362 3761158.836 689.73
   LOCATION L0002639     VOLUME   492213.406 3761150.246 692.33
   LOCATION L0002640     VOLUME   492213.451 3761141.657 692.00
   LOCATION L0002641     VOLUME   492213.496 3761133.067 689.11
   LOCATION L0002642     VOLUME   492213.541 3761124.477 686.22
   LOCATION L0002643     VOLUME   492213.585 3761115.887 683.33
   LOCATION L0002644     VOLUME   492213.630 3761107.297 680.56
   LOCATION L0002645     VOLUME   492213.675 3761098.707 677.79
   LOCATION L0002646     VOLUME   492213.720 3761090.117 675.03
** End of LINE VOLUME Source ID = SLINE18
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC PA7 Idle E
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001077
** Vertical Dimension = 6.99
** SZINIT = 3.25
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** Nodes = 2
** 492417.357, 3761284.964, 696.54, 3.49, 4.00
** 492419.456, 3761083.992, 690.19, 3.49, 4.00
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   LOCATION L0002647     VOLUME   492417.402 3761280.669 697.66
   LOCATION L0002648     VOLUME   492417.492 3761272.080 698.96
   LOCATION L0002649     VOLUME   492417.582 3761263.490 699.86
   LOCATION L0002650     VOLUME   492417.671 3761254.901 699.90
   LOCATION L0002651     VOLUME   492417.761 3761246.311 699.94
   LOCATION L0002652     VOLUME   492417.851 3761237.721 699.99
   LOCATION L0002653     VOLUME   492417.941 3761229.132 697.50
   LOCATION L0002654     VOLUME   492418.030 3761220.542 694.51
   LOCATION L0002655     VOLUME   492418.120 3761211.953 691.53
   LOCATION L0002656     VOLUME   492418.210 3761203.363 690.33
   LOCATION L0002657     VOLUME   492418.299 3761194.774 692.59
   LOCATION L0002658     VOLUME   492418.389 3761186.184 694.83
   LOCATION L0002659     VOLUME   492418.479 3761177.595 697.05
   LOCATION L0002660     VOLUME   492418.569 3761169.005 697.44
   LOCATION L0002661     VOLUME   492418.658 3761160.416 697.51
   LOCATION L0002662     VOLUME   492418.748 3761151.826 697.57
   LOCATION L0002663     VOLUME   492418.838 3761143.237 697.22
   LOCATION L0002664     VOLUME   492418.927 3761134.647 696.08
   LOCATION L0002665     VOLUME   492419.017 3761126.058 694.93
   LOCATION L0002666     VOLUME   492419.107 3761117.468 693.79
   LOCATION L0002667     VOLUME   492419.197 3761108.878 692.75
   LOCATION L0002668     VOLUME   492419.286 3761100.289 691.74
   LOCATION L0002669     VOLUME   492419.376 3761091.699 690.74
** End of LINE VOLUME Source ID = SLINE19
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE20
** DESCRSRC PA7 TTP Idle N
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.795E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 492066.838, 3761299.656, 682.94, 3.49, 4.00
** 492180.180, 3761299.656, 695.07, 3.49, 4.00
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   LOCATION L0002670     VOLUME   492071.133 3761299.656 682.53
   LOCATION L0002671     VOLUME   492079.723 3761299.656 682.37
   LOCATION L0002672     VOLUME   492088.313 3761299.656 682.22
   LOCATION L0002673     VOLUME   492096.903 3761299.656 682.06
   LOCATION L0002674     VOLUME   492105.493 3761299.656 682.50
   LOCATION L0002675     VOLUME   492114.083 3761299.656 683.33
   LOCATION L0002676     VOLUME   492122.673 3761299.656 684.16
   LOCATION L0002677     VOLUME   492131.263 3761299.656 685.12
   LOCATION L0002678     VOLUME   492139.853 3761299.656 687.19
   LOCATION L0002679     VOLUME   492148.443 3761299.656 689.25
   LOCATION L0002680     VOLUME   492157.033 3761299.656 691.31
   LOCATION L0002681     VOLUME   492165.623 3761299.656 692.63
   LOCATION L0002682     VOLUME   492174.213 3761299.656 693.49
** End of LINE VOLUME Source ID = SLINE20
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE21
** DESCRSRC PA7 TTP Idle W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.795E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
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** Nodes = 3
** 492085.728, 3761263.975, 683.76, 3.49, 4.00
** 492104.094, 3761251.381, 682.41, 3.49, 4.00
** 492121.935, 3761229.867, 674.86, 3.49, 4.00
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   LOCATION L0002683     VOLUME   492089.271 3761261.546 683.49
   LOCATION L0002684     VOLUME   492096.355 3761256.688 682.81
   LOCATION L0002685     VOLUME   492103.439 3761251.830 681.82
   LOCATION L0002686     VOLUME   492109.071 3761245.380 680.20
   LOCATION L0002687     VOLUME   492114.554 3761238.768 678.16
   LOCATION L0002688     VOLUME   492120.037 3761232.155 675.65
** End of LINE VOLUME Source ID = SLINE21
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE22
** DESCRSRC PA7 TTP Idle C
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.795E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 492174.932, 3761161.652, 687.87, 3.49, 4.00
** 492174.408, 3761268.697, 685.95, 3.49, 4.00
** 492156.042, 3761269.222, 685.68, 3.49, 4.00
** 492157.092, 3761170.048, 688.53, 3.49, 4.00
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   LOCATION L0002689     VOLUME   492174.911 3761165.947 688.72
   LOCATION L0002690     VOLUME   492174.869 3761174.537 687.74
   LOCATION L0002691     VOLUME   492174.827 3761183.127 684.10
   LOCATION L0002692     VOLUME   492174.785 3761191.717 679.80
   LOCATION L0002693     VOLUME   492174.743 3761200.307 675.50
   LOCATION L0002694     VOLUME   492174.701 3761208.897 672.64
   LOCATION L0002695     VOLUME   492174.659 3761217.487 673.04
   LOCATION L0002696     VOLUME   492174.617 3761226.077 673.44
   LOCATION L0002697     VOLUME   492174.574 3761234.667 673.83
   LOCATION L0002698     VOLUME   492174.532 3761243.256 677.06
   LOCATION L0002699     VOLUME   492174.490 3761251.846 680.93
   LOCATION L0002700     VOLUME   492174.448 3761260.436 684.80
   LOCATION L0002701     VOLUME   492174.079 3761268.707 687.95
   LOCATION L0002702     VOLUME   492165.492 3761268.952 687.15
   LOCATION L0002703     VOLUME   492156.906 3761269.197 686.40
   LOCATION L0002704     VOLUME   492156.124 3761261.497 683.62
   LOCATION L0002705     VOLUME   492156.215 3761252.907 679.80
   LOCATION L0002706     VOLUME   492156.306 3761244.318 675.98
   LOCATION L0002707     VOLUME   492156.397 3761235.728 672.39
   LOCATION L0002708     VOLUME   492156.487 3761227.139 672.41
   LOCATION L0002709     VOLUME   492156.578 3761218.549 672.45
   LOCATION L0002710     VOLUME   492156.669 3761209.959 672.50
   LOCATION L0002711     VOLUME   492156.760 3761201.370 675.06
   LOCATION L0002712     VOLUME   492156.851 3761192.780 679.52
   LOCATION L0002713     VOLUME   492156.942 3761184.191 683.99
   LOCATION L0002714     VOLUME   492157.033 3761175.601 688.16
** End of LINE VOLUME Source ID = SLINE22
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE23
** DESCRSRC PA7 TTP Idle E
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.795E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
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** 492457.237, 3761289.162, 690.78, 3.49, 4.00
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   LOCATION L0002716     VOLUME   492457.302 3761276.277 695.52
   LOCATION L0002717     VOLUME   492457.345 3761267.687 697.73
   LOCATION L0002718     VOLUME   492457.388 3761259.097 698.55
   LOCATION L0002719     VOLUME   492457.431 3761250.507 699.09
   LOCATION L0002720     VOLUME   492457.474 3761241.917 699.64
   LOCATION L0002721     VOLUME   492457.518 3761233.327 699.86
   LOCATION L0002722     VOLUME   492457.561 3761224.738 699.44
   LOCATION L0002723     VOLUME   492457.604 3761216.148 699.03
   LOCATION L0002724     VOLUME   492457.647 3761207.558 698.62
   LOCATION L0002725     VOLUME   492457.690 3761198.968 698.19
   LOCATION L0002726     VOLUME   492457.733 3761190.378 697.74
   LOCATION L0002727     VOLUME   492457.777 3761181.788 697.29
   LOCATION L0002728     VOLUME   492457.820 3761173.198 697.01
   LOCATION L0002729     VOLUME   492457.863 3761164.608 697.03
   LOCATION L0002730     VOLUME   492457.906 3761156.018 697.05
   LOCATION L0002731     VOLUME   492457.949 3761147.429 697.07
   LOCATION L0002732     VOLUME   492457.992 3761138.839 696.55
   LOCATION L0002733     VOLUME   492458.036 3761130.249 695.93
   LOCATION L0002734     VOLUME   492458.079 3761121.659 695.31
   LOCATION L0002735     VOLUME   492458.122 3761113.069 695.21
   LOCATION L0002736     VOLUME   492458.165 3761104.479 695.99
   LOCATION L0002737     VOLUME   492458.208 3761095.889 696.78
   LOCATION L0002738     VOLUME   492458.251 3761087.299 697.56
** End of LINE VOLUME Source ID = SLINE23
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE24
** DESCRSRC PA8 Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00002154
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 491973.961, 3761505.875, 683.11, 3.49, 4.00
** 492405.813, 3761508.499, 683.79, 3.49, 4.00
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   LOCATION L0002740     VOLUME   491986.846 3761505.953 683.03
   LOCATION L0002741     VOLUME   491995.436 3761506.006 683.02
   LOCATION L0002742     VOLUME   492004.025 3761506.058 683.02
   LOCATION L0002743     VOLUME   492012.615 3761506.110 683.01
   LOCATION L0002744     VOLUME   492021.205 3761506.162 683.01
   LOCATION L0002745     VOLUME   492029.795 3761506.214 683.00
   LOCATION L0002746     VOLUME   492038.385 3761506.266 683.00
   LOCATION L0002747     VOLUME   492046.975 3761506.319 683.44
   LOCATION L0002748     VOLUME   492055.564 3761506.371 684.00
   LOCATION L0002749     VOLUME   492064.154 3761506.423 684.57
   LOCATION L0002750     VOLUME   492072.744 3761506.475 684.97
   LOCATION L0002751     VOLUME   492081.334 3761506.527 684.97
   LOCATION L0002752     VOLUME   492089.924 3761506.580 684.96
   LOCATION L0002753     VOLUME   492098.514 3761506.632 684.96
   LOCATION L0002754     VOLUME   492107.104 3761506.684 685.41
   LOCATION L0002755     VOLUME   492115.693 3761506.736 685.97
   LOCATION L0002756     VOLUME   492124.283 3761506.788 686.53
   LOCATION L0002757     VOLUME   492132.873 3761506.840 687.27
   LOCATION L0002758     VOLUME   492141.463 3761506.893 688.40
   LOCATION L0002759     VOLUME   492150.053 3761506.945 689.53
   LOCATION L0002760     VOLUME   492158.643 3761506.997 690.66
   LOCATION L0002761     VOLUME   492167.232 3761507.049 691.32
   LOCATION L0002762     VOLUME   492175.822 3761507.101 691.86
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   LOCATION L0002763     VOLUME   492184.412 3761507.154 692.41
   LOCATION L0002764     VOLUME   492193.002 3761507.206 692.50
   LOCATION L0002765     VOLUME   492201.592 3761507.258 691.63
   LOCATION L0002766     VOLUME   492210.182 3761507.310 690.76
   LOCATION L0002767     VOLUME   492218.771 3761507.362 689.89
   LOCATION L0002768     VOLUME   492227.361 3761507.415 688.79
   LOCATION L0002769     VOLUME   492235.951 3761507.467 687.65
   LOCATION L0002770     VOLUME   492244.541 3761507.519 686.50
   LOCATION L0002771     VOLUME   492253.131 3761507.571 685.54
   LOCATION L0002772     VOLUME   492261.721 3761507.623 684.96
   LOCATION L0002773     VOLUME   492270.310 3761507.675 684.38
   LOCATION L0002774     VOLUME   492278.900 3761507.728 683.79
   LOCATION L0002775     VOLUME   492287.490 3761507.780 683.71
   LOCATION L0002776     VOLUME   492296.080 3761507.832 683.71
   LOCATION L0002777     VOLUME   492304.670 3761507.884 683.72
   LOCATION L0002778     VOLUME   492313.260 3761507.936 683.71
   LOCATION L0002779     VOLUME   492321.850 3761507.989 683.66
   LOCATION L0002780     VOLUME   492330.439 3761508.041 683.62
   LOCATION L0002781     VOLUME   492339.029 3761508.093 683.57
   LOCATION L0002782     VOLUME   492347.619 3761508.145 683.51
   LOCATION L0002783     VOLUME   492356.209 3761508.197 683.44
   LOCATION L0002784     VOLUME   492364.799 3761508.250 683.37
   LOCATION L0002785     VOLUME   492373.389 3761508.302 683.32
   LOCATION L0002786     VOLUME   492381.978 3761508.354 683.32
   LOCATION L0002787     VOLUME   492390.568 3761508.406 683.33
   LOCATION L0002788     VOLUME   492399.158 3761508.458 683.33
** End of LINE VOLUME Source ID = SLINE24
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** LINE VOLUME Source ID = SLINE25
** DESCRSRC PA8 TTP Idle
** PREFIX
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** Configuration = Adjacent
** Emission Rate = 7.181E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
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** 492325.005, 3761561.496, 674.47, 3.49, 4.00
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   LOCATION L0002791     VOLUME   492029.017 3761544.424 676.85
   LOCATION L0002792     VOLUME   492037.607 3761544.521 677.65
   LOCATION L0002793     VOLUME   492046.196 3761544.619 678.17
   LOCATION L0002794     VOLUME   492054.786 3761544.716 678.57
   LOCATION L0002795     VOLUME   492063.375 3761544.814 678.96
   LOCATION L0002796     VOLUME   492071.965 3761544.911 679.31
   LOCATION L0002797     VOLUME   492080.554 3761545.009 679.49
   LOCATION L0002798     VOLUME   492089.143 3761545.106 679.67
   LOCATION L0002799     VOLUME   492097.733 3761545.204 679.85
   LOCATION L0002800     VOLUME   492106.322 3761545.301 680.09
   LOCATION L0002801     VOLUME   492114.912 3761545.398 680.35
   LOCATION L0002802     VOLUME   492123.501 3761545.496 680.62
   LOCATION L0002803     VOLUME   492132.091 3761545.593 681.02
   LOCATION L0002804     VOLUME   492140.680 3761545.691 681.95
   LOCATION L0002805     VOLUME   492149.270 3761545.788 682.88
   LOCATION L0002806     VOLUME   492157.859 3761545.886 683.81
   LOCATION L0002807     VOLUME   492166.448 3761545.983 684.05
   LOCATION L0002808     VOLUME   492175.038 3761546.081 684.03
   LOCATION L0002809     VOLUME   492183.627 3761546.178 684.01
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   LOCATION L0002811     VOLUME   492200.806 3761546.373 682.45
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   LOCATION L0002812     VOLUME   492209.396 3761546.470 681.17
   LOCATION L0002813     VOLUME   492217.985 3761546.568 679.89
   LOCATION L0002814     VOLUME   492226.575 3761546.665 678.90
   LOCATION L0002815     VOLUME   492235.164 3761546.763 678.00
   LOCATION L0002816     VOLUME   492243.753 3761546.860 677.11
   LOCATION L0002817     VOLUME   492252.343 3761546.958 676.36
   LOCATION L0002818     VOLUME   492260.932 3761547.055 676.07
   LOCATION L0002819     VOLUME   492269.522 3761547.153 675.78
   LOCATION L0002820     VOLUME   492278.111 3761547.250 675.50
   LOCATION L0002821     VOLUME   492286.701 3761547.347 675.86
   LOCATION L0002822     VOLUME   492295.290 3761547.445 676.45
   LOCATION L0002823     VOLUME   492303.880 3761547.542 677.04
   LOCATION L0002824     VOLUME   492312.469 3761547.640 677.33
   LOCATION L0002825     VOLUME   492321.058 3761547.737 676.75
   LOCATION L0002826     VOLUME   492329.648 3761547.835 676.16
   LOCATION L0002827     VOLUME   492328.395 3761554.151 675.40
   LOCATION L0002828     VOLUME   492324.505 3761561.494 674.68
   LOCATION L0002829     VOLUME   492315.915 3761561.458 675.26
   LOCATION L0002830     VOLUME   492307.325 3761561.421 675.30
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   LOCATION L0002833     VOLUME   492281.555 3761561.311 672.30
   LOCATION L0002834     VOLUME   492272.966 3761561.274 672.04
   LOCATION L0002835     VOLUME   492264.376 3761561.238 671.90
   LOCATION L0002836     VOLUME   492255.786 3761561.201 671.77
   LOCATION L0002837     VOLUME   492247.196 3761561.165 672.00
   LOCATION L0002838     VOLUME   492238.606 3761561.128 672.87
   LOCATION L0002839     VOLUME   492230.016 3761561.091 673.74
   LOCATION L0002840     VOLUME   492221.426 3761561.055 674.61
   LOCATION L0002841     VOLUME   492212.836 3761561.018 676.30
   LOCATION L0002842     VOLUME   492204.246 3761560.981 678.12
   LOCATION L0002843     VOLUME   492195.656 3761560.945 679.93
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   LOCATION L0002846     VOLUME   492169.886 3761560.835 681.08
   LOCATION L0002847     VOLUME   492161.297 3761560.798 681.09
   LOCATION L0002848     VOLUME   492152.707 3761560.762 680.14
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   LOCATION L0002850     VOLUME   492135.527 3761560.688 677.97
   LOCATION L0002851     VOLUME   492126.937 3761560.652 677.19
   LOCATION L0002852     VOLUME   492118.347 3761560.615 676.92
   LOCATION L0002853     VOLUME   492109.757 3761560.578 676.64
   LOCATION L0002854     VOLUME   492101.167 3761560.542 676.36
   LOCATION L0002855     VOLUME   492092.577 3761560.505 676.29
   LOCATION L0002856     VOLUME   492083.987 3761560.469 676.24
** End of LINE VOLUME Source ID = SLINE25
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** LINE VOLUME Source ID = SLINE26
** DESCRSRC PA2 Onsite
** PREFIX
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** Configuration = Adjacent
** Emission Rate = 0.0001786
** Vertical Dimension = 6.99
** SZINIT = 3.25
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** 493607.468, 3761172.165, 676.57, 3.49, 4.00
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** 493558.142, 3761121.788, 674.41, 3.49, 4.00
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** 494081.846, 3760905.065, 694.98, 3.49, 4.00
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   LOCATION L0002860     VOLUME   493723.695 3761245.886 680.76
   LOCATION L0002861     VOLUME   493717.148 3761240.344 680.13
   LOCATION L0002862     VOLUME   493710.397 3761235.032 679.60
   LOCATION L0002863     VOLUME   493703.647 3761229.720 679.13
   LOCATION L0002864     VOLUME   493696.896 3761224.408 678.74
   LOCATION L0002865     VOLUME   493690.145 3761219.097 678.42
   LOCATION L0002866     VOLUME   493682.468 3761215.261 677.96
   LOCATION L0002867     VOLUME   493674.750 3761211.491 677.57
   LOCATION L0002868     VOLUME   493667.031 3761207.721 677.23
   LOCATION L0002869     VOLUME   493659.312 3761203.952 677.34
   LOCATION L0002870     VOLUME   493651.594 3761200.182 677.72
   LOCATION L0002871     VOLUME   493643.936 3761196.305 678.11
   LOCATION L0002872     VOLUME   493636.773 3761191.564 678.66
   LOCATION L0002873     VOLUME   493629.611 3761186.822 679.14
   LOCATION L0002874     VOLUME   493622.448 3761182.081 678.87
   LOCATION L0002875     VOLUME   493615.285 3761177.339 678.36
   LOCATION L0002876     VOLUME   493608.122 3761172.598 677.69
   LOCATION L0002877     VOLUME   493601.373 3761167.288 677.08
   LOCATION L0002878     VOLUME   493594.665 3761161.922 676.59
   LOCATION L0002879     VOLUME   493588.151 3761156.357 676.10
   LOCATION L0002880     VOLUME   493582.573 3761149.824 675.75
   LOCATION L0002881     VOLUME   493576.996 3761143.291 675.29
   LOCATION L0002882     VOLUME   493571.419 3761136.757 674.80
   LOCATION L0002883     VOLUME   493565.728 3761130.323 674.45
   LOCATION L0002884     VOLUME   493560.021 3761123.903 674.12
   LOCATION L0002885     VOLUME   493557.332 3761116.085 674.29
   LOCATION L0002886     VOLUME   493556.124 3761107.580 675.14
   LOCATION L0002887     VOLUME   493554.916 3761099.075 675.92
   LOCATION L0002888     VOLUME   493553.708 3761090.571 676.64
   LOCATION L0002889     VOLUME   493552.501 3761082.066 677.09
   LOCATION L0002890     VOLUME   493551.293 3761073.561 677.36
   LOCATION L0002891     VOLUME   493550.085 3761065.057 677.71
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   LOCATION L0002894     VOLUME   493546.462 3761039.543 680.28
   LOCATION L0002895     VOLUME   493546.208 3761031.124 681.44
   LOCATION L0002896     VOLUME   493548.924 3761022.975 683.36
   LOCATION L0002897     VOLUME   493552.234 3761015.349 685.16
   LOCATION L0002898     VOLUME   493559.978 3761011.632 688.65
   LOCATION L0002899     VOLUME   493568.040 3761008.948 692.34
   LOCATION L0002900     VOLUME   493576.534 3761007.668 694.41
   LOCATION L0002901     VOLUME   493585.029 3761006.388 695.78
   LOCATION L0002902     VOLUME   493593.523 3761005.108 697.05
   LOCATION L0002903     VOLUME   493602.017 3761003.828 697.84
   LOCATION L0002904     VOLUME   493610.511 3761002.548 697.05
   LOCATION L0002905     VOLUME   493619.005 3761001.267 696.24
   LOCATION L0002906     VOLUME   493627.499 3760999.987 695.40
   LOCATION L0002907     VOLUME   493635.993 3760998.707 694.39
   LOCATION L0002908     VOLUME   493644.487 3760997.427 693.23
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LOCATION L0002912 VOLUME 493678.463 3760992.306 687.85
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LOCATION L0002914 VOLUME 493695.452 3760989.746 686.67
LOCATION L0002915 VOLUME 493703.946 3760988.466 687.31
LOCATION L0002916 VOLUME 493712.440 3760987.186 687.86
LOCATION L0002917 VOLUME 493720.934 3760985.905 688.28
LOCATION L0002918 VOLUME 493729.428 3760984.625 688.45
LOCATION L0002919 VOLUME 493737.922 3760983.345 688.66
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LOCATION L0002922 VOLUME 493763.404 3760979.505 687.01
LOCATION L0002923 VOLUME 493771.898 3760978.224 685.81
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LOCATION L0002925 VOLUME 493788.886 3760975.664 683.68
LOCATION L0002926 VOLUME 493797.380 3760974.384 682.68
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LOCATION L0002928 VOLUME 493814.369 3760971.824 681.16
LOCATION L0002929 VOLUME 493822.863 3760970.543 681.08
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LOCATION L0002940 VOLUME 493916.297 3760956.462 682.20
LOCATION L0002941 VOLUME 493924.791 3760955.181 682.20
LOCATION L0002942 VOLUME 493933.286 3760953.901 682.47
LOCATION L0002943 VOLUME 493941.780 3760952.621 683.24
LOCATION L0002944 VOLUME 493950.274 3760951.341 684.00
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LOCATION L0002956 VOLUME 494052.203 3760935.979 694.07
LOCATION L0002957 VOLUME 494060.697 3760934.699 694.38
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LOCATION L0002967 VOLUME 494114.891 3760898.755 692.27
LOCATION L0002968 VOLUME 494123.196 3760900.949 691.94
LOCATION L0002969 VOLUME 494131.212 3760904.001 691.56
LOCATION L0002970 VOLUME 494139.155 3760907.272 691.11
LOCATION L0002971 VOLUME 494147.104 3760910.528 691.34
LOCATION L0002972 VOLUME 494155.058 3760913.772 691.62
LOCATION L0002973 VOLUME 494163.012 3760917.016 691.84
LOCATION L0002974 VOLUME 494170.966 3760920.259 692.00

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   LOCATION L0002975     VOLUME   494178.920 3760923.503 692.00
   LOCATION L0002976     VOLUME   494186.874 3760926.747 692.00
   LOCATION L0002977     VOLUME   494194.828 3760929.991 692.00
   LOCATION L0002978     VOLUME   494202.782 3760933.235 692.17
   LOCATION L0002979     VOLUME   494210.736 3760936.478 692.69
   LOCATION L0002980     VOLUME   494218.690 3760939.722 693.15
   LOCATION L0002981     VOLUME   494226.644 3760942.966 693.56
   LOCATION L0002982     VOLUME   494234.598 3760946.210 693.86
   LOCATION L0002983     VOLUME   494241.966 3760950.564 694.09
   LOCATION L0002984     VOLUME   494249.130 3760955.303 694.39
   LOCATION L0002985     VOLUME   494256.294 3760960.043 694.76
   LOCATION L0002986     VOLUME   494263.459 3760964.782 695.10
   LOCATION L0002987     VOLUME   494270.623 3760969.521 695.27
   LOCATION L0002988     VOLUME   494277.391 3760974.810 695.44
   LOCATION L0002989     VOLUME   494284.152 3760980.109 695.70
   LOCATION L0002990     VOLUME   494290.913 3760985.408 696.04
   LOCATION L0002991     VOLUME   494297.674 3760990.707 696.64
   LOCATION L0002992     VOLUME   494304.434 3760996.006 697.40
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   LOCATION L0002994     VOLUME   494318.015 3761006.528 699.77
   LOCATION L0002995     VOLUME   494324.824 3761011.765 701.08
** End of LINE VOLUME Source ID = SLINE26
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE27
** DESCRSRC PA3 Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.831E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 8
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** 493415.409, 3761525.849, 693.05, 3.49, 4.00
** 493414.359, 3761326.442, 680.85, 3.49, 4.00
** 493420.656, 3761315.422, 680.32, 3.49, 4.00
** 493523.508, 3761315.947, 682.69, 3.49, 4.00
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** 493554.468, 3761280.789, 681.16, 3.49, 4.00
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   LOCATION L0002996     VOLUME   493401.066 3761576.370 701.24
   LOCATION L0002997     VOLUME   493405.966 3761569.315 700.00
   LOCATION L0002998     VOLUME   493410.866 3761562.259 698.70
   LOCATION L0002999     VOLUME   493412.470 3761553.980 697.33
   LOCATION L0003000     VOLUME   493413.362 3761545.436 695.93
   LOCATION L0003001     VOLUME   493414.255 3761536.893 694.51
   LOCATION L0003002     VOLUME   493415.147 3761528.349 692.59
   LOCATION L0003003     VOLUME   493415.377 3761519.773 690.68
   LOCATION L0003004     VOLUME   493415.332 3761511.183 688.77
   LOCATION L0003005     VOLUME   493415.286 3761502.593 687.06
   LOCATION L0003006     VOLUME   493415.241 3761494.003 685.63
   LOCATION L0003007     VOLUME   493415.196 3761485.413 684.19
   LOCATION L0003008     VOLUME   493415.151 3761476.824 682.76
   LOCATION L0003009     VOLUME   493415.105 3761468.234 682.87
   LOCATION L0003010     VOLUME   493415.060 3761459.644 683.11
   LOCATION L0003011     VOLUME   493415.015 3761451.054 683.34
   LOCATION L0003012     VOLUME   493414.970 3761442.464 683.36
   LOCATION L0003013     VOLUME   493414.925 3761433.874 683.12
   LOCATION L0003014     VOLUME   493414.879 3761425.284 682.89
   LOCATION L0003015     VOLUME   493414.834 3761416.694 682.65
   LOCATION L0003016     VOLUME   493414.789 3761408.105 682.63
   LOCATION L0003017     VOLUME   493414.744 3761399.515 682.63
   LOCATION L0003018     VOLUME   493414.699 3761390.925 682.63
   LOCATION L0003019     VOLUME   493414.653 3761382.335 682.60
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   LOCATION L0003020     VOLUME   493414.608 3761373.745 682.54
   LOCATION L0003021     VOLUME   493414.563 3761365.155 682.48
   LOCATION L0003022     VOLUME   493414.518 3761356.565 682.42
   LOCATION L0003023     VOLUME   493414.473 3761347.975 681.97
   LOCATION L0003024     VOLUME   493414.427 3761339.386 681.51
   LOCATION L0003025     VOLUME   493414.382 3761330.796 681.05
   LOCATION L0003026     VOLUME   493416.461 3761322.764 680.56
   LOCATION L0003027     VOLUME   493420.791 3761315.423 679.93
   LOCATION L0003028     VOLUME   493429.381 3761315.467 680.14
   LOCATION L0003029     VOLUME   493437.971 3761315.511 680.35
   LOCATION L0003030     VOLUME   493446.560 3761315.555 680.56
   LOCATION L0003031     VOLUME   493455.150 3761315.598 681.03
   LOCATION L0003032     VOLUME   493463.740 3761315.642 681.70
   LOCATION L0003033     VOLUME   493472.330 3761315.686 682.37
   LOCATION L0003034     VOLUME   493480.920 3761315.730 683.00
   LOCATION L0003035     VOLUME   493489.510 3761315.774 683.00
   LOCATION L0003036     VOLUME   493498.100 3761315.818 683.00
   LOCATION L0003037     VOLUME   493506.690 3761315.861 683.00
   LOCATION L0003038     VOLUME   493515.280 3761315.905 682.83
   LOCATION L0003039     VOLUME   493523.831 3761315.786 682.55
   LOCATION L0003040     VOLUME   493531.514 3761311.944 682.29
   LOCATION L0003041     VOLUME   493537.607 3761306.308 682.09
   LOCATION L0003042     VOLUME   493542.342 3761299.141 681.86
   LOCATION L0003043     VOLUME   493547.078 3761291.975 681.41
   LOCATION L0003044     VOLUME   493551.813 3761284.808 680.85
** End of LINE VOLUME Source ID = SLINE27
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE28
** DESCRSRC PA4 Onsite W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.173E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 5
** 493101.081, 3761511.680, 686.10, 3.49, 4.00
** 493101.081, 3761372.621, 682.93, 3.49, 4.00
** 493101.606, 3761134.383, 684.05, 3.49, 4.00
** 493102.656, 3761014.739, 680.50, 3.49, 4.00
** 493104.755, 3761011.590, 679.65, 3.49, 4.00
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   LOCATION L0003045     VOLUME   493101.081 3761507.385 686.46
   LOCATION L0003046     VOLUME   493101.081 3761498.795 685.86
   LOCATION L0003047     VOLUME   493101.081 3761490.205 685.29
   LOCATION L0003048     VOLUME   493101.081 3761481.615 684.72
   LOCATION L0003049     VOLUME   493101.081 3761473.025 684.29
   LOCATION L0003050     VOLUME   493101.081 3761464.435 684.11
   LOCATION L0003051     VOLUME   493101.081 3761455.845 683.92
   LOCATION L0003052     VOLUME   493101.081 3761447.255 683.74
   LOCATION L0003053     VOLUME   493101.081 3761438.665 683.72
   LOCATION L0003054     VOLUME   493101.081 3761430.075 683.72
   LOCATION L0003055     VOLUME   493101.081 3761421.485 683.72
   LOCATION L0003056     VOLUME   493101.081 3761412.895 683.64
   LOCATION L0003057     VOLUME   493101.081 3761404.305 683.43
   LOCATION L0003058     VOLUME   493101.081 3761395.715 683.23
   LOCATION L0003059     VOLUME   493101.081 3761387.125 683.02
   LOCATION L0003060     VOLUME   493101.081 3761378.535 683.00
   LOCATION L0003061     VOLUME   493101.087 3761369.945 683.00
   LOCATION L0003062     VOLUME   493101.106 3761361.355 683.00
   LOCATION L0003063     VOLUME   493101.125 3761352.765 683.00
   LOCATION L0003064     VOLUME   493101.144 3761344.175 683.00
   LOCATION L0003065     VOLUME   493101.163 3761335.585 683.00
   LOCATION L0003066     VOLUME   493101.182 3761326.995 683.00
   LOCATION L0003067     VOLUME   493101.201 3761318.405 684.35
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   LOCATION L0003068     VOLUME   493101.220 3761309.815 685.84
   LOCATION L0003069     VOLUME   493101.239 3761301.225 687.32
   LOCATION L0003070     VOLUME   493101.258 3761292.635 687.80
   LOCATION L0003071     VOLUME   493101.277 3761284.045 686.87
   LOCATION L0003072     VOLUME   493101.295 3761275.455 685.94
   LOCATION L0003073     VOLUME   493101.314 3761266.865 685.01
   LOCATION L0003074     VOLUME   493101.333 3761258.275 684.33
   LOCATION L0003075     VOLUME   493101.352 3761249.686 683.67
   LOCATION L0003076     VOLUME   493101.371 3761241.096 683.01
   LOCATION L0003077     VOLUME   493101.390 3761232.506 682.72
   LOCATION L0003078     VOLUME   493101.409 3761223.916 682.93
   LOCATION L0003079     VOLUME   493101.428 3761215.326 683.15
   LOCATION L0003080     VOLUME   493101.447 3761206.736 683.36
   LOCATION L0003081     VOLUME   493101.466 3761198.146 683.64
   LOCATION L0003082     VOLUME   493101.485 3761189.556 683.93
   LOCATION L0003083     VOLUME   493101.504 3761180.966 684.22
   LOCATION L0003084     VOLUME   493101.523 3761172.376 684.37
   LOCATION L0003085     VOLUME   493101.541 3761163.786 684.37
   LOCATION L0003086     VOLUME   493101.560 3761155.196 684.38
   LOCATION L0003087     VOLUME   493101.579 3761146.606 684.38
   LOCATION L0003088     VOLUME   493101.598 3761138.016 684.38
   LOCATION L0003089     VOLUME   493101.650 3761129.426 684.38
   LOCATION L0003090     VOLUME   493101.725 3761120.836 684.38
   LOCATION L0003091     VOLUME   493101.800 3761112.247 684.20
   LOCATION L0003092     VOLUME   493101.876 3761103.657 683.80
   LOCATION L0003093     VOLUME   493101.951 3761095.067 683.41
   LOCATION L0003094     VOLUME   493102.026 3761086.478 683.01
   LOCATION L0003095     VOLUME   493102.102 3761077.888 682.67
   LOCATION L0003096     VOLUME   493102.177 3761069.298 682.33
   LOCATION L0003097     VOLUME   493102.252 3761060.709 681.98
   LOCATION L0003098     VOLUME   493102.328 3761052.119 681.80
   LOCATION L0003099     VOLUME   493102.403 3761043.529 681.78
   LOCATION L0003100     VOLUME   493102.479 3761034.940 681.76
   LOCATION L0003101     VOLUME   493102.554 3761026.350 681.73
   LOCATION L0003102     VOLUME   493102.629 3761017.760 679.40
** End of LINE VOLUME Source ID = SLINE28
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE29
** DESCRSRC PA4 Onsite E
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.512E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 493329.874, 3761524.274, 691.78, 3.49, 4.00
** 493353.488, 3761485.443, 683.11, 3.49, 4.00
** 493354.013, 3761155.897, 669.77, 3.49, 4.00
** 493362.933, 3761136.482, 668.92, 3.49, 4.00
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   LOCATION L0003103     VOLUME   493332.106 3761520.605 690.39
   LOCATION L0003104     VOLUME   493336.569 3761513.265 688.95
   LOCATION L0003105     VOLUME   493341.032 3761505.926 687.25
   LOCATION L0003106     VOLUME   493345.495 3761498.586 686.22
   LOCATION L0003107     VOLUME   493349.958 3761491.247 685.19
   LOCATION L0003108     VOLUME   493353.491 3761483.646 684.20
   LOCATION L0003109     VOLUME   493353.504 3761475.056 683.41
   LOCATION L0003110     VOLUME   493353.518 3761466.466 683.13
   LOCATION L0003111     VOLUME   493353.532 3761457.876 682.84
   LOCATION L0003112     VOLUME   493353.545 3761449.286 682.55
   LOCATION L0003113     VOLUME   493353.559 3761440.696 682.27
   LOCATION L0003114     VOLUME   493353.573 3761432.106 681.98
   LOCATION L0003115     VOLUME   493353.586 3761423.516 681.69
   LOCATION L0003116     VOLUME   493353.600 3761414.926 681.46
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   LOCATION L0003117     VOLUME   493353.614 3761406.336 681.52
   LOCATION L0003118     VOLUME   493353.627 3761397.746 681.58
   LOCATION L0003119     VOLUME   493353.641 3761389.156 681.64
   LOCATION L0003120     VOLUME   493353.655 3761380.566 681.43
   LOCATION L0003121     VOLUME   493353.669 3761371.976 681.08
   LOCATION L0003122     VOLUME   493353.682 3761363.386 680.73
   LOCATION L0003123     VOLUME   493353.696 3761354.796 680.44
   LOCATION L0003124     VOLUME   493353.710 3761346.206 680.40
   LOCATION L0003125     VOLUME   493353.723 3761337.616 680.36
   LOCATION L0003126     VOLUME   493353.737 3761329.026 680.33
   LOCATION L0003127     VOLUME   493353.751 3761320.436 682.52
   LOCATION L0003128     VOLUME   493353.764 3761311.846 685.79
   LOCATION L0003129     VOLUME   493353.778 3761303.256 689.06
   LOCATION L0003130     VOLUME   493353.792 3761294.666 691.60
   LOCATION L0003131     VOLUME   493353.805 3761286.076 690.82
   LOCATION L0003132     VOLUME   493353.819 3761277.486 690.04
   LOCATION L0003133     VOLUME   493353.833 3761268.896 689.26
   LOCATION L0003134     VOLUME   493353.846 3761260.306 688.65
   LOCATION L0003135     VOLUME   493353.860 3761251.716 688.11
   LOCATION L0003136     VOLUME   493353.874 3761243.126 687.57
   LOCATION L0003137     VOLUME   493353.887 3761234.536 686.48
   LOCATION L0003138     VOLUME   493353.901 3761225.946 683.15
   LOCATION L0003139     VOLUME   493353.915 3761217.356 679.81
   LOCATION L0003140     VOLUME   493353.928 3761208.766 676.47
   LOCATION L0003141     VOLUME   493353.942 3761200.176 675.05
   LOCATION L0003142     VOLUME   493353.956 3761191.586 674.43
   LOCATION L0003143     VOLUME   493353.969 3761182.996 673.81
   LOCATION L0003144     VOLUME   493353.983 3761174.406 673.15
   LOCATION L0003145     VOLUME   493353.997 3761165.816 672.33
   LOCATION L0003146     VOLUME   493354.010 3761157.226 671.51
   LOCATION L0003147     VOLUME   493357.044 3761149.299 670.01
   LOCATION L0003148     VOLUME   493360.631 3761141.494 668.67
** End of LINE VOLUME Source ID = SLINE29
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE30
** DESCRSRC PA5 Onsite W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.345E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 3
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** 492804.234, 3760986.352, 684.60, 3.49, 4.00
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   LOCATION L0003151     VOLUME   492801.244 3761492.736 683.00
   LOCATION L0003152     VOLUME   492801.282 3761484.146 683.00
   LOCATION L0003153     VOLUME   492801.321 3761475.556 683.02
   LOCATION L0003154     VOLUME   492801.359 3761466.966 683.34
   LOCATION L0003155     VOLUME   492801.398 3761458.376 683.66
   LOCATION L0003156     VOLUME   492801.436 3761449.786 683.98
   LOCATION L0003157     VOLUME   492801.475 3761441.196 684.06
   LOCATION L0003158     VOLUME   492801.514 3761432.606 683.95
   LOCATION L0003159     VOLUME   492801.552 3761424.017 683.85
   LOCATION L0003160     VOLUME   492801.591 3761415.427 683.73
   LOCATION L0003161     VOLUME   492801.629 3761406.837 683.52
   LOCATION L0003162     VOLUME   492801.668 3761398.247 683.30
   LOCATION L0003163     VOLUME   492801.706 3761389.657 683.09
   LOCATION L0003164     VOLUME   492801.745 3761381.067 684.12
   LOCATION L0003165     VOLUME   492801.783 3761372.477 685.97
   LOCATION L0003166     VOLUME   492801.822 3761363.887 687.81
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   LOCATION L0003167     VOLUME   492801.860 3761355.297 689.49
   LOCATION L0003168     VOLUME   492801.899 3761346.707 689.77
   LOCATION L0003169     VOLUME   492801.937 3761338.117 690.05
   LOCATION L0003170     VOLUME   492801.976 3761329.528 690.33
   LOCATION L0003171     VOLUME   492802.014 3761320.938 689.65
   LOCATION L0003172     VOLUME   492802.053 3761312.348 688.38
   LOCATION L0003173     VOLUME   492802.091 3761303.758 687.11
   LOCATION L0003174     VOLUME   492802.130 3761295.168 685.84
   LOCATION L0003175     VOLUME   492802.168 3761286.578 684.52
   LOCATION L0003176     VOLUME   492802.207 3761277.988 683.20
   LOCATION L0003177     VOLUME   492802.245 3761269.398 681.88
   LOCATION L0003178     VOLUME   492802.284 3761260.808 681.44
   LOCATION L0003179     VOLUME   492802.322 3761252.218 681.49
   LOCATION L0003180     VOLUME   492802.361 3761243.628 681.55
   LOCATION L0003181     VOLUME   492802.399 3761235.038 681.80
   LOCATION L0003182     VOLUME   492802.438 3761226.449 683.30
   LOCATION L0003183     VOLUME   492802.477 3761217.859 684.79
   LOCATION L0003184     VOLUME   492802.515 3761209.269 686.29
   LOCATION L0003185     VOLUME   492802.554 3761200.679 687.90
   LOCATION L0003186     VOLUME   492802.592 3761192.089 689.56
   LOCATION L0003187     VOLUME   492802.631 3761183.499 691.24
   LOCATION L0003188     VOLUME   492802.669 3761174.909 692.75
   LOCATION L0003189     VOLUME   492802.708 3761166.319 693.37
   LOCATION L0003190     VOLUME   492802.746 3761157.729 694.00
   LOCATION L0003191     VOLUME   492802.785 3761149.139 694.62
   LOCATION L0003192     VOLUME   492802.823 3761140.549 695.32
   LOCATION L0003193     VOLUME   492802.862 3761131.960 696.07
   LOCATION L0003194     VOLUME   492802.900 3761123.370 696.81
   LOCATION L0003195     VOLUME   492802.939 3761114.780 697.40
   LOCATION L0003196     VOLUME   492802.977 3761106.190 697.24
   LOCATION L0003197     VOLUME   492803.038 3761097.600 697.08
   LOCATION L0003198     VOLUME   492803.131 3761089.011 696.91
   LOCATION L0003199     VOLUME   492803.223 3761080.421 696.20
   LOCATION L0003200     VOLUME   492803.315 3761071.832 695.23
   LOCATION L0003201     VOLUME   492803.408 3761063.242 694.23
   LOCATION L0003202     VOLUME   492803.500 3761054.653 693.41
   LOCATION L0003203     VOLUME   492803.592 3761046.063 693.42
   LOCATION L0003204     VOLUME   492803.685 3761037.474 693.46
   LOCATION L0003205     VOLUME   492803.777 3761028.884 693.53
   LOCATION L0003206     VOLUME   492803.869 3761020.295 691.37
   LOCATION L0003207     VOLUME   492803.962 3761011.705 688.22
   LOCATION L0003208     VOLUME   492804.054 3761003.115 685.06
   LOCATION L0003209     VOLUME   492804.147 3760994.526 682.78
** End of LINE VOLUME Source ID = SLINE30
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE31
** DESCRSRC PA5 Onsite E
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.331E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
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** 493045.012, 3761471.612, 684.96, 3.49, 4.00
** 493046.247, 3760992.526, 673.52, 3.49, 4.00
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   LOCATION L0003211     VOLUME   493045.147 3761505.077 686.45
   LOCATION L0003212     VOLUME   493044.413 3761496.518 686.05
   LOCATION L0003213     VOLUME   493044.604 3761487.932 685.62
   LOCATION L0003214     VOLUME   493044.819 3761479.344 685.19
   LOCATION L0003215     VOLUME   493045.014 3761470.757 684.74
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   LOCATION L0003216     VOLUME   493045.037 3761462.167 684.31
   LOCATION L0003217     VOLUME   493045.059 3761453.577 683.88
   LOCATION L0003218     VOLUME   493045.081 3761444.987 683.49
   LOCATION L0003219     VOLUME   493045.103 3761436.397 683.34
   LOCATION L0003220     VOLUME   493045.125 3761427.807 683.20
   LOCATION L0003221     VOLUME   493045.147 3761419.217 683.06
   LOCATION L0003222     VOLUME   493045.169 3761410.627 682.82
   LOCATION L0003223     VOLUME   493045.192 3761402.037 682.53
   LOCATION L0003224     VOLUME   493045.214 3761393.447 682.24
   LOCATION L0003225     VOLUME   493045.236 3761384.857 681.93
   LOCATION L0003226     VOLUME   493045.258 3761376.267 681.50
   LOCATION L0003227     VOLUME   493045.280 3761367.677 681.07
   LOCATION L0003228     VOLUME   493045.302 3761359.087 680.64
   LOCATION L0003229     VOLUME   493045.324 3761350.497 680.79
   LOCATION L0003230     VOLUME   493045.347 3761341.907 681.22
   LOCATION L0003231     VOLUME   493045.369 3761333.317 681.65
   LOCATION L0003232     VOLUME   493045.391 3761324.727 682.00
   LOCATION L0003233     VOLUME   493045.413 3761316.137 682.00
   LOCATION L0003234     VOLUME   493045.435 3761307.547 682.01
   LOCATION L0003235     VOLUME   493045.457 3761298.957 682.01
   LOCATION L0003236     VOLUME   493045.479 3761290.367 681.81
   LOCATION L0003237     VOLUME   493045.501 3761281.778 681.53
   LOCATION L0003238     VOLUME   493045.524 3761273.188 681.24
   LOCATION L0003239     VOLUME   493045.546 3761264.598 681.08
   LOCATION L0003240     VOLUME   493045.568 3761256.008 681.51
   LOCATION L0003241     VOLUME   493045.590 3761247.418 681.95
   LOCATION L0003242     VOLUME   493045.612 3761238.828 682.38
   LOCATION L0003243     VOLUME   493045.634 3761230.238 682.31
   LOCATION L0003244     VOLUME   493045.656 3761221.648 682.03
   LOCATION L0003245     VOLUME   493045.679 3761213.058 681.74
   LOCATION L0003246     VOLUME   493045.701 3761204.468 681.57
   LOCATION L0003247     VOLUME   493045.723 3761195.878 681.85
   LOCATION L0003248     VOLUME   493045.745 3761187.288 682.13
   LOCATION L0003249     VOLUME   493045.767 3761178.698 682.40
   LOCATION L0003250     VOLUME   493045.789 3761170.108 682.08
   LOCATION L0003251     VOLUME   493045.811 3761161.518 681.52
   LOCATION L0003252     VOLUME   493045.834 3761152.928 680.96
   LOCATION L0003253     VOLUME   493045.856 3761144.338 680.52
   LOCATION L0003254     VOLUME   493045.878 3761135.748 680.53
   LOCATION L0003255     VOLUME   493045.900 3761127.158 680.55
   LOCATION L0003256     VOLUME   493045.922 3761118.568 680.56
   LOCATION L0003257     VOLUME   493045.944 3761109.978 680.88
   LOCATION L0003258     VOLUME   493045.966 3761101.388 681.32
   LOCATION L0003259     VOLUME   493045.989 3761092.798 681.76
   LOCATION L0003260     VOLUME   493046.011 3761084.208 682.03
   LOCATION L0003261     VOLUME   493046.033 3761075.618 681.76
   LOCATION L0003262     VOLUME   493046.055 3761067.028 681.49
   LOCATION L0003263     VOLUME   493046.077 3761058.438 681.22
   LOCATION L0003264     VOLUME   493046.099 3761049.848 680.44
   LOCATION L0003265     VOLUME   493046.121 3761041.258 679.48
   LOCATION L0003266     VOLUME   493046.144 3761032.668 678.53
   LOCATION L0003267     VOLUME   493046.166 3761024.078 677.56
   LOCATION L0003268     VOLUME   493046.188 3761015.488 676.56
   LOCATION L0003269     VOLUME   493046.210 3761006.898 675.56
   LOCATION L0003270     VOLUME   493046.232 3760998.308 674.55
** End of LINE VOLUME Source ID = SLINE31
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE32
** DESCRSRC PA6 Onsite W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.481E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
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** 492528.884, 3761345.666, 683.35, 3.49, 4.00
** 492524.562, 3761017.838, 694.25, 3.49, 4.00
** 492496.162, 3761017.221, 690.96, 3.49, 4.00
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   LOCATION L0003271     VOLUME   492497.987 3761346.208 683.00
   LOCATION L0003272     VOLUME   492506.576 3761346.058 683.00
   LOCATION L0003273     VOLUME   492515.165 3761345.907 683.00
   LOCATION L0003274     VOLUME   492523.753 3761345.756 683.15
   LOCATION L0003275     VOLUME   492528.838 3761342.208 683.30
   LOCATION L0003276     VOLUME   492528.725 3761333.618 683.14
   LOCATION L0003277     VOLUME   492528.611 3761325.029 683.03
   LOCATION L0003278     VOLUME   492528.498 3761316.440 683.24
   LOCATION L0003279     VOLUME   492528.385 3761307.851 683.45
   LOCATION L0003280     VOLUME   492528.272 3761299.261 683.66
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   LOCATION L0003283     VOLUME   492527.932 3761273.494 689.80
   LOCATION L0003284     VOLUME   492527.819 3761264.904 691.88
   LOCATION L0003285     VOLUME   492527.706 3761256.315 692.75
   LOCATION L0003286     VOLUME   492527.592 3761247.726 693.62
   LOCATION L0003287     VOLUME   492527.479 3761239.137 694.47
   LOCATION L0003288     VOLUME   492527.366 3761230.547 695.04
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   LOCATION L0003290     VOLUME   492527.139 3761213.369 695.88
   LOCATION L0003291     VOLUME   492527.026 3761204.779 696.35
   LOCATION L0003292     VOLUME   492526.913 3761196.190 697.08
   LOCATION L0003293     VOLUME   492526.800 3761187.601 697.81
   LOCATION L0003294     VOLUME   492526.687 3761179.012 698.55
   LOCATION L0003295     VOLUME   492526.573 3761170.422 698.98
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   LOCATION L0003297     VOLUME   492526.347 3761153.244 699.56
   LOCATION L0003298     VOLUME   492526.234 3761144.655 699.73
   LOCATION L0003299     VOLUME   492526.120 3761136.065 699.32
   LOCATION L0003300     VOLUME   492526.007 3761127.476 698.92
   LOCATION L0003301     VOLUME   492525.894 3761118.887 698.50
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   LOCATION L0003303     VOLUME   492525.667 3761101.708 696.82
   LOCATION L0003304     VOLUME   492525.554 3761093.119 695.90
   LOCATION L0003305     VOLUME   492525.441 3761084.530 695.07
   LOCATION L0003306     VOLUME   492525.328 3761075.941 694.54
   LOCATION L0003307     VOLUME   492525.215 3761067.351 694.01
   LOCATION L0003308     VOLUME   492525.101 3761058.762 693.48
   LOCATION L0003309     VOLUME   492524.988 3761050.173 693.55
   LOCATION L0003310     VOLUME   492524.875 3761041.584 693.87
   LOCATION L0003311     VOLUME   492524.762 3761032.994 694.19
   LOCATION L0003312     VOLUME   492524.648 3761024.405 694.51
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   LOCATION L0003316     VOLUME   492496.776 3761017.234 691.48
** End of LINE VOLUME Source ID = SLINE32
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE33
** DESCRSRC PA6 Onsite E
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.418E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
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** 492743.114, 3761443.829, 683.30, 3.49, 4.00
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** 492749.288, 3760975.239, 695.59, 3.49, 4.00
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   LOCATION L0003318     VOLUME   492742.105 3761501.328 683.00
   LOCATION L0003319     VOLUME   492742.256 3761492.739 683.00
   LOCATION L0003320     VOLUME   492742.407 3761484.150 683.00
   LOCATION L0003321     VOLUME   492742.557 3761475.562 683.00
   LOCATION L0003322     VOLUME   492742.708 3761466.973 683.00
   LOCATION L0003323     VOLUME   492742.859 3761458.384 683.00
   LOCATION L0003324     VOLUME   492743.009 3761449.796 683.00
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   LOCATION L0003333     VOLUME   492749.288 3761372.844 691.95
   LOCATION L0003334     VOLUME   492749.288 3761364.254 693.72
   LOCATION L0003335     VOLUME   492749.288 3761355.664 695.36
   LOCATION L0003336     VOLUME   492749.288 3761347.074 695.25
   LOCATION L0003337     VOLUME   492749.288 3761338.484 695.15
   LOCATION L0003338     VOLUME   492749.288 3761329.894 695.04
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   LOCATION L0003342     VOLUME   492749.288 3761295.534 687.23
   LOCATION L0003343     VOLUME   492749.288 3761286.944 685.62
   LOCATION L0003344     VOLUME   492749.288 3761278.354 684.01
   LOCATION L0003345     VOLUME   492749.288 3761269.764 682.40
   LOCATION L0003346     VOLUME   492749.288 3761261.174 681.95
   LOCATION L0003347     VOLUME   492749.288 3761252.584 682.31
   LOCATION L0003348     VOLUME   492749.288 3761243.994 682.67
   LOCATION L0003349     VOLUME   492749.288 3761235.404 683.33
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   LOCATION L0003355     VOLUME   492749.288 3761183.864 696.02
   LOCATION L0003356     VOLUME   492749.288 3761175.274 696.41
   LOCATION L0003357     VOLUME   492749.288 3761166.684 696.80
   LOCATION L0003358     VOLUME   492749.288 3761158.094 697.19
   LOCATION L0003359     VOLUME   492749.288 3761149.504 697.58
   LOCATION L0003360     VOLUME   492749.288 3761140.914 697.73
   LOCATION L0003361     VOLUME   492749.288 3761132.324 697.73
   LOCATION L0003362     VOLUME   492749.288 3761123.734 697.73
   LOCATION L0003363     VOLUME   492749.288 3761115.144 697.83
   LOCATION L0003364     VOLUME   492749.288 3761106.554 698.58
   LOCATION L0003365     VOLUME   492749.288 3761097.964 699.34
   LOCATION L0003366     VOLUME   492749.288 3761089.374 700.09
   LOCATION L0003367     VOLUME   492749.288 3761080.784 700.19
   LOCATION L0003368     VOLUME   492749.288 3761072.194 699.90
   LOCATION L0003369     VOLUME   492749.288 3761063.604 699.61
   LOCATION L0003370     VOLUME   492749.288 3761055.014 699.24
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   LOCATION L0003373     VOLUME   492749.288 3761029.244 696.67
   LOCATION L0003374     VOLUME   492749.288 3761020.654 695.69
   LOCATION L0003375     VOLUME   492749.288 3761012.064 694.65
   LOCATION L0003376     VOLUME   492749.288 3761003.474 693.61
   LOCATION L0003377     VOLUME   492749.288 3760994.884 692.85
   LOCATION L0003378     VOLUME   492749.288 3760986.294 693.61
   LOCATION L0003379     VOLUME   492749.288 3760977.704 694.36
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE34
** DESCRSRC PA7 Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001487
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 8
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** 492192.725, 3761032.108, 688.92, 3.49, 4.00
** 492198.498, 3761017.414, 689.26, 3.49, 4.00
** 492274.590, 3761017.939, 694.44, 3.49, 4.00
** 492445.668, 3761018.464, 685.09, 3.49, 4.00
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   LOCATION L0003383     VOLUME   492438.170 3761346.166 682.02
   LOCATION L0003384     VOLUME   492429.580 3761346.086 681.71
   LOCATION L0003385     VOLUME   492420.990 3761346.005 682.11
   LOCATION L0003386     VOLUME   492412.401 3761345.924 682.51
   LOCATION L0003387     VOLUME   492403.811 3761345.843 682.92
   LOCATION L0003388     VOLUME   492395.221 3761345.762 682.99
   LOCATION L0003389     VOLUME   492386.632 3761345.681 682.84
   LOCATION L0003390     VOLUME   492378.042 3761345.600 682.70
   LOCATION L0003391     VOLUME   492369.453 3761345.519 682.72
   LOCATION L0003392     VOLUME   492360.863 3761345.439 684.26
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   LOCATION L0003395     VOLUME   492335.094 3761345.196 687.96
   LOCATION L0003396     VOLUME   492326.504 3761345.115 688.02
   LOCATION L0003397     VOLUME   492317.915 3761345.034 688.08
   LOCATION L0003398     VOLUME   492309.325 3761344.953 688.06
   LOCATION L0003399     VOLUME   492300.736 3761344.872 687.37
   LOCATION L0003400     VOLUME   492292.146 3761344.791 686.67
   LOCATION L0003401     VOLUME   492283.556 3761344.711 685.97
   LOCATION L0003402     VOLUME   492274.967 3761344.630 684.95
   LOCATION L0003403     VOLUME   492266.377 3761344.549 683.75
   LOCATION L0003404     VOLUME   492257.788 3761344.468 682.56
   LOCATION L0003405     VOLUME   492249.198 3761344.387 681.47
   LOCATION L0003406     VOLUME   492240.608 3761344.306 680.99
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   LOCATION L0003408     VOLUME   492223.429 3761344.144 680.05
   LOCATION L0003409     VOLUME   492214.839 3761344.064 679.86
   LOCATION L0003410     VOLUME   492206.250 3761343.983 679.84
   LOCATION L0003411     VOLUME   492197.660 3761343.902 679.82
   LOCATION L0003412     VOLUME   492189.581 3761343.320 680.07
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   LOCATION L0003414     VOLUME   492189.732 3761326.140 687.97
   LOCATION L0003415     VOLUME   492189.807 3761317.551 690.27
   LOCATION L0003416     VOLUME   492189.882 3761308.961 692.57
   LOCATION L0003417     VOLUME   492189.958 3761300.371 694.87
   LOCATION L0003418     VOLUME   492190.033 3761291.782 694.93
   LOCATION L0003419     VOLUME   492190.108 3761283.192 692.94
   LOCATION L0003420     VOLUME   492190.184 3761274.602 690.94
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   LOCATION L0003422     VOLUME   492190.334 3761257.423 685.18
   LOCATION L0003423     VOLUME   492190.410 3761248.833 681.46
   LOCATION L0003424     VOLUME   492190.485 3761240.244 677.74
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LOCATION L0003427 VOLUME 492190.711 3761214.475 673.10
LOCATION L0003428 VOLUME 492190.787 3761205.885 672.17
LOCATION L0003429 VOLUME 492190.862 3761197.295 676.17
LOCATION L0003430 VOLUME 492190.937 3761188.706 680.16
LOCATION L0003431 VOLUME 492191.013 3761180.116 684.15
LOCATION L0003432 VOLUME 492191.088 3761171.526 686.91
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LOCATION L0003436 VOLUME 492191.389 3761137.168 689.91
LOCATION L0003437 VOLUME 492191.465 3761128.578 687.86
LOCATION L0003438 VOLUME 492191.540 3761119.988 685.81
LOCATION L0003439 VOLUME 492191.615 3761111.399 682.99
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LOCATION L0003442 VOLUME 492191.950 3761085.631 673.02
LOCATION L0003443 VOLUME 492192.074 3761077.042 672.46
LOCATION L0003444 VOLUME 492192.198 3761068.453 671.92
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LOCATION L0003450 VOLUME 492198.280 3761017.968 690.18
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LOCATION L0003452 VOLUME 492215.082 3761017.529 689.36
LOCATION L0003453 VOLUME 492223.672 3761017.588 689.49
LOCATION L0003454 VOLUME 492232.262 3761017.647 690.61
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LOCATION L0003457 VOLUME 492258.031 3761017.825 693.24
LOCATION L0003458 VOLUME 492266.621 3761017.884 693.55
LOCATION L0003459 VOLUME 492275.211 3761017.941 693.87
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LOCATION L0003461 VOLUME 492292.390 3761017.994 694.11
LOCATION L0003462 VOLUME 492300.980 3761018.020 694.15
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LOCATION L0003471 VOLUME 492378.290 3761018.257 685.86
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LOCATION L0003473 VOLUME 492395.470 3761018.310 684.54
LOCATION L0003474 VOLUME 492404.060 3761018.336 684.12
LOCATION L0003475 VOLUME 492412.650 3761018.363 684.02
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LOCATION L0003477 VOLUME 492429.830 3761018.415 683.83
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LOCATION L0003479 VOLUME 492445.657 3761019.806 685.40
LOCATION L0003480 VOLUME 492445.586 3761028.395 685.12
LOCATION L0003481 VOLUME 492445.516 3761036.985 687.40
LOCATION L0003482 VOLUME 492445.446 3761045.575 689.68
LOCATION L0003483 VOLUME 492445.375 3761054.165 691.96
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LOCATION L0003486 VOLUME 492445.164 3761079.934 694.85
LOCATION L0003487 VOLUME 492445.094 3761088.523 695.39
LOCATION L0003488 VOLUME 492445.023 3761097.113 695.11
LOCATION L0003489 VOLUME 492444.953 3761105.703 694.82
LOCATION L0003490 VOLUME 492444.882 3761114.293 694.55

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   LOCATION L0003491     VOLUME   492444.812 3761122.882 695.15
   LOCATION L0003492     VOLUME   492444.741 3761131.472 696.02
   LOCATION L0003493     VOLUME   492444.671 3761140.062 696.89
   LOCATION L0003494     VOLUME   492444.601 3761148.651 697.48
   LOCATION L0003495     VOLUME   492444.530 3761157.241 697.33
   LOCATION L0003496     VOLUME   492444.460 3761165.831 697.18
   LOCATION L0003497     VOLUME   492444.389 3761174.421 697.03
   LOCATION L0003498     VOLUME   492444.319 3761183.010 696.85
   LOCATION L0003499     VOLUME   492444.249 3761191.600 696.66
   LOCATION L0003500     VOLUME   492444.178 3761200.190 696.45
   LOCATION L0003501     VOLUME   492444.108 3761208.779 696.62
   LOCATION L0003502     VOLUME   492444.037 3761217.369 697.67
   LOCATION L0003503     VOLUME   492443.967 3761225.959 698.72
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   LOCATION L0003506     VOLUME   492443.756 3761251.728 699.25
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   LOCATION L0003508     VOLUME   492443.615 3761268.907 697.99
   LOCATION L0003509     VOLUME   492443.545 3761277.497 696.18
   LOCATION L0003510     VOLUME   492443.474 3761286.087 694.38
   LOCATION L0003511     VOLUME   492443.404 3761294.677 692.58
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   LOCATION L0003514     VOLUME   492443.193 3761320.446 684.79
   LOCATION L0003515     VOLUME   492443.122 3761329.035 682.89
   LOCATION L0003516     VOLUME   492443.052 3761337.625 682.56
** End of LINE VOLUME Source ID = SLINE34
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE35
** DESCRSRC PA7 TTP Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.883E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 8
** 492182.754, 3761284.001, 693.72, 3.49, 4.00
** 492072.551, 3761284.001, 683.03, 3.49, 4.00
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   LOCATION L0003519     VOLUME   492161.279 3761284.001 690.24
   LOCATION L0003520     VOLUME   492152.689 3761284.001 688.74
   LOCATION L0003521     VOLUME   492144.099 3761284.001 687.15
   LOCATION L0003522     VOLUME   492135.509 3761284.001 685.56
   LOCATION L0003523     VOLUME   492126.919 3761284.001 684.39
   LOCATION L0003524     VOLUME   492118.329 3761284.001 683.89
   LOCATION L0003525     VOLUME   492109.739 3761284.001 683.38
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   LOCATION L0003528     VOLUME   492083.969 3761284.001 683.14
   LOCATION L0003529     VOLUME   492075.379 3761284.001 683.31
   LOCATION L0003530     VOLUME   492077.907 3761281.876 683.35
   LOCATION L0003531     VOLUME   492085.891 3761278.707 683.37
   LOCATION L0003532     VOLUME   492093.875 3761275.539 683.45
   LOCATION L0003533     VOLUME   492101.860 3761272.371 683.62
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   LOCATION L0003537     VOLUME   492130.768 3761253.950 680.31
   LOCATION L0003538     VOLUME   492134.235 3761246.645 677.95
   LOCATION L0003539     VOLUME   492136.138 3761238.269 675.09
   LOCATION L0003540     VOLUME   492138.042 3761229.892 673.34
   LOCATION L0003541     VOLUME   492139.946 3761221.516 672.19
   LOCATION L0003542     VOLUME   492140.772 3761213.019 671.20
   LOCATION L0003543     VOLUME   492140.772 3761204.429 671.21
   LOCATION L0003544     VOLUME   492140.772 3761195.839 675.05
   LOCATION L0003545     VOLUME   492140.772 3761187.249 678.89
   LOCATION L0003546     VOLUME   492140.772 3761178.659 682.72
   LOCATION L0003547     VOLUME   492142.477 3761170.425 684.79
   LOCATION L0003548     VOLUME   492145.920 3761162.556 686.28
   LOCATION L0003549     VOLUME   492151.069 3761156.564 687.81
   LOCATION L0003550     VOLUME   492159.233 3761153.892 689.54
   LOCATION L0003551     VOLUME   492167.397 3761151.221 690.11
   LOCATION L0003552     VOLUME   492175.561 3761148.549 690.75
** End of LINE VOLUME Source ID = SLINE35
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE36
** DESCRSRC PA8 Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 6.174E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
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   LOCATION L0003556     VOLUME   492010.128 3761525.753 679.10
   LOCATION L0003557     VOLUME   492018.717 3761525.863 679.45
   LOCATION L0003558     VOLUME   492027.307 3761525.973 679.80
   LOCATION L0003559     VOLUME   492035.896 3761526.083 680.16
   LOCATION L0003560     VOLUME   492044.485 3761526.193 680.62
   LOCATION L0003561     VOLUME   492053.075 3761526.303 681.18
   LOCATION L0003562     VOLUME   492061.664 3761526.413 681.74
   LOCATION L0003563     VOLUME   492070.253 3761526.523 682.30
   LOCATION L0003564     VOLUME   492078.842 3761526.633 682.48
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   LOCATION L0003568     VOLUME   492113.200 3761527.073 683.48
   LOCATION L0003569     VOLUME   492121.789 3761527.183 683.84
   LOCATION L0003570     VOLUME   492130.378 3761527.292 684.21
   LOCATION L0003571     VOLUME   492138.968 3761527.402 685.13
   LOCATION L0003572     VOLUME   492147.557 3761527.512 686.06
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   LOCATION L0003575     VOLUME   492173.325 3761527.842 687.64
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   LOCATION L0003580     VOLUME   492216.271 3761528.392 685.23
   LOCATION L0003581     VOLUME   492224.861 3761528.502 684.31
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   LOCATION L0003588     VOLUME   492284.986 3761529.271 679.52
   LOCATION L0003589     VOLUME   492293.575 3761529.381 679.71
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   LOCATION L0003593     VOLUME   492327.932 3761529.821 679.15
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   LOCATION L0003595     VOLUME   492345.111 3761530.041 678.06
   LOCATION L0003596     VOLUME   492353.700 3761530.151 677.35
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   LOCATION L0003598     VOLUME   492370.877 3761530.174 676.04
   LOCATION L0003599     VOLUME   492379.464 3761529.942 676.34
   LOCATION L0003600     VOLUME   492388.051 3761529.710 676.64
   LOCATION L0003601     VOLUME   492396.638 3761529.478 676.94
   LOCATION L0003602     VOLUME   492405.225 3761529.246 676.27
   LOCATION L0003603     VOLUME   492413.789 3761528.756 674.99
   LOCATION L0003604     VOLUME   492422.289 3761527.514 673.95
   LOCATION L0003605     VOLUME   492430.789 3761526.273 672.97
   LOCATION L0003606     VOLUME   492439.289 3761525.031 673.03
   LOCATION L0003607     VOLUME   492447.788 3761523.790 673.01
   LOCATION L0003608     VOLUME   492456.288 3761522.548 672.92
   LOCATION L0003609     VOLUME   492464.788 3761521.307 672.99
** End of LINE VOLUME Source ID = SLINE36
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** DESCRSRC Offsite 40%
** PREFIX
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** Configuration = Adjacent
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LOCATION L0003756 VOLUME 492479.768 3761414.795 683.01
LOCATION L0003757 VOLUME 492479.851 3761406.206 683.10
LOCATION L0003758 VOLUME 492479.935 3761397.616 683.19
LOCATION L0003759 VOLUME 492480.018 3761389.027 683.29
LOCATION L0003760 VOLUME 492480.101 3761380.437 683.26
LOCATION L0003761 VOLUME 492480.184 3761371.847 683.17
LOCATION L0003762 VOLUME 492480.267 3761363.258 683.08
LOCATION L0003763 VOLUME 492480.350 3761354.668 683.00
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LOCATION L0003765 VOLUME 492480.516 3761337.489 683.00
LOCATION L0003766 VOLUME 492480.599 3761328.899 683.00
LOCATION L0003767 VOLUME 492480.682 3761320.310 683.85
LOCATION L0003768 VOLUME 492480.765 3761311.720 685.07
LOCATION L0003769 VOLUME 492480.848 3761303.131 686.28
LOCATION L0003770 VOLUME 492480.931 3761294.541 687.74
LOCATION L0003771 VOLUME 492481.014 3761285.951 690.22
LOCATION L0003772 VOLUME 492481.098 3761277.362 692.70
LOCATION L0003773 VOLUME 492481.181 3761268.772 695.18
LOCATION L0003774 VOLUME 492481.264 3761260.183 696.59
LOCATION L0003775 VOLUME 492481.347 3761251.593 697.56
LOCATION L0003776 VOLUME 492481.430 3761243.004 698.53
LOCATION L0003777 VOLUME 492481.513 3761234.414 699.27
LOCATION L0003778 VOLUME 492481.596 3761225.824 699.19
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LOCATION L0003780 VOLUME 492481.762 3761208.645 699.02
LOCATION L0003781 VOLUME 492481.845 3761200.056 698.88
LOCATION L0003782 VOLUME 492481.928 3761191.466 698.73
LOCATION L0003783 VOLUME 492482.011 3761182.876 698.57
LOCATION L0003784 VOLUME 492482.094 3761174.287 698.45
LOCATION L0003785 VOLUME 492482.177 3761165.697 698.46
LOCATION L0003786 VOLUME 492482.261 3761157.108 698.47
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LOCATION L0003788 VOLUME 492482.427 3761139.928 698.21
LOCATION L0003789 VOLUME 492482.510 3761131.339 697.86
LOCATION L0003790 VOLUME 492482.593 3761122.749 697.50
LOCATION L0003791 VOLUME 492482.676 3761114.160 697.19
LOCATION L0003792 VOLUME 492482.759 3761105.570 696.98
LOCATION L0003793 VOLUME 492482.842 3761096.980 696.77

LOCATION L0003794 VOLUME 492482.925 3761088.391 696.55
LOCATION L0003795 VOLUME 492483.008 3761079.801 696.00
LOCATION L0003796 VOLUME 492483.091 3761071.212 695.36
LOCATION L0003797 VOLUME 492483.174 3761062.622 694.71
LOCATION L0003798 VOLUME 492483.257 3761054.032 693.93
LOCATION L0003799 VOLUME 492483.340 3761045.443 692.73
LOCATION L0003800 VOLUME 492483.424 3761036.853 691.55
LOCATION L0003801 VOLUME 492483.507 3761028.264 690.37
LOCATION L0003802 VOLUME 492483.590 3761019.674 689.99
LOCATION L0003803 VOLUME 492483.673 3761011.084 689.84
LOCATION L0003804 VOLUME 492483.756 3761002.495 689.68
LOCATION L0003805 VOLUME 492483.839 3760993.905 689.93
LOCATION L0003806 VOLUME 492483.922 3760985.316 691.26
LOCATION L0003807 VOLUME 492484.005 3760976.726 692.59
LOCATION L0003808 VOLUME 492484.088 3760968.136 693.92
LOCATION L0003809 VOLUME 492489.718 3760961.998 694.44
LOCATION L0003810 VOLUME 492496.013 3760956.152 694.88
LOCATION L0003811 VOLUME 492503.802 3760954.533 694.82
LOCATION L0003812 VOLUME 492512.372 3760955.120 694.57
LOCATION L0003813 VOLUME 492520.942 3760955.707 694.37
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LOCATION L0003815 VOLUME 492538.082 3760956.881 694.94
LOCATION L0003816 VOLUME 492546.652 3760957.468 695.28
LOCATION L0003817 VOLUME 492555.222 3760958.055 695.98
LOCATION L0003818 VOLUME 492563.792 3760958.642 696.95
LOCATION L0003819 VOLUME 492572.364 3760959.169 697.95
LOCATION L0003820 VOLUME 492580.953 3760959.106 698.90
LOCATION L0003821 VOLUME 492589.543 3760959.043 700.11
LOCATION L0003822 VOLUME 492598.133 3760958.980 701.31
LOCATION L0003823 VOLUME 492606.723 3760958.918 702.52
LOCATION L0003824 VOLUME 492615.312 3760958.855 703.02
LOCATION L0003825 VOLUME 492623.902 3760958.792 703.01
LOCATION L0003826 VOLUME 492632.492 3760958.730 703.00
LOCATION L0003827 VOLUME 492641.082 3760958.667 702.94
LOCATION L0003828 VOLUME 492649.671 3760958.604 702.44
LOCATION L0003829 VOLUME 492658.261 3760958.542 701.93
LOCATION L0003830 VOLUME 492666.851 3760958.479 701.42
LOCATION L0003831 VOLUME 492675.441 3760958.416 700.87
LOCATION L0003832 VOLUME 492684.031 3760958.353 700.30
LOCATION L0003833 VOLUME 492692.620 3760958.291 699.72
LOCATION L0003834 VOLUME 492701.210 3760958.228 699.10
LOCATION L0003835 VOLUME 492709.793 3760958.250 698.19
LOCATION L0003836 VOLUME 492718.276 3760959.602 697.34
LOCATION L0003837 VOLUME 492726.759 3760960.954 696.41
LOCATION L0003838 VOLUME 492735.242 3760962.307 695.90
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LOCATION L0003840 VOLUME 492752.208 3760965.011 695.36
LOCATION L0003841 VOLUME 492760.691 3760966.364 694.92
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LOCATION L0003843 VOLUME 492777.657 3760969.068 691.61
LOCATION L0003844 VOLUME 492786.008 3760971.066 689.68
LOCATION L0003845 VOLUME 492794.341 3760973.149 687.63
LOCATION L0003846 VOLUME 492802.675 3760975.232 685.76
LOCATION L0003847 VOLUME 492811.008 3760977.316 684.11
LOCATION L0003848 VOLUME 492819.342 3760979.399 682.70
LOCATION L0003849 VOLUME 492827.675 3760981.482 682.13
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LOCATION L0003851 VOLUME 492844.746 3760981.795 681.33
LOCATION L0003852 VOLUME 492853.330 3760981.482 681.18
LOCATION L0003853 VOLUME 492861.915 3760981.170 681.58
LOCATION L0003854 VOLUME 492870.499 3760980.858 682.00
LOCATION L0003855 VOLUME 492879.083 3760980.546 682.46
LOCATION L0003856 VOLUME 492887.660 3760980.131 682.12
LOCATION L0003857 VOLUME 492896.200 3760979.208 681.79
LOCATION L0003858 VOLUME 492904.741 3760978.285 681.61
LOCATION L0003859 VOLUME 492913.281 3760977.361 681.02

LOCATION L0003860 VOLUME 492921.821 3760976.438 679.39
LOCATION L0003861 VOLUME 492930.361 3760975.515 677.69
LOCATION L0003862 VOLUME 492938.902 3760974.591 675.93
LOCATION L0003863 VOLUME 492947.442 3760973.668 673.80
LOCATION L0003864 VOLUME 492955.982 3760972.745 671.55
LOCATION L0003865 VOLUME 492964.505 3760972.806 669.17
LOCATION L0003866 VOLUME 492973.006 3760974.036 667.35
LOCATION L0003867 VOLUME 492981.507 3760975.267 666.88
LOCATION L0003868 VOLUME 492990.009 3760976.497 666.45
LOCATION L0003869 VOLUME 492998.510 3760977.728 666.07
LOCATION L0003870 VOLUME 493007.012 3760978.958 666.54
LOCATION L0003871 VOLUME 493015.513 3760980.189 667.25
LOCATION L0003872 VOLUME 493024.014 3760981.419 667.98
LOCATION L0003873 VOLUME 493032.516 3760982.650 669.05
LOCATION L0003874 VOLUME 493040.944 3760984.257 671.16
LOCATION L0003875 VOLUME 493049.290 3760986.290 673.53
LOCATION L0003876 VOLUME 493057.636 3760988.323 676.16
LOCATION L0003877 VOLUME 493065.982 3760990.356 676.94
LOCATION L0003878 VOLUME 493074.328 3760992.389 676.69
LOCATION L0003879 VOLUME 493082.674 3760994.422 676.37
LOCATION L0003880 VOLUME 493091.020 3760996.455 675.92
LOCATION L0003881 VOLUME 493099.366 3760998.488 674.82
LOCATION L0003882 VOLUME 493107.712 3761000.521 673.64
LOCATION L0003883 VOLUME 493116.020 3761002.665 672.42
LOCATION L0003884 VOLUME 493123.852 3761006.194 672.21
LOCATION L0003885 VOLUME 493131.683 3761009.722 672.64
LOCATION L0003886 VOLUME 493139.515 3761013.251 672.88
LOCATION L0003887 VOLUME 493147.347 3761016.779 672.94
LOCATION L0003888 VOLUME 493155.179 3761020.308 673.34
LOCATION L0003889 VOLUME 493163.010 3761023.837 674.07
LOCATION L0003890 VOLUME 493170.842 3761027.365 674.97
LOCATION L0003891 VOLUME 493178.674 3761030.894 676.05
LOCATION L0003892 VOLUME 493186.506 3761034.423 677.21
LOCATION L0003893 VOLUME 493194.338 3761037.951 678.30
LOCATION L0003894 VOLUME 493202.169 3761041.480 679.27
LOCATION L0003895 VOLUME 493209.955 3761045.106 680.14
LOCATION L0003896 VOLUME 493217.671 3761048.883 680.96
LOCATION L0003897 VOLUME 493225.386 3761052.659 681.85
LOCATION L0003898 VOLUME 493233.101 3761056.436 682.76
LOCATION L0003899 VOLUME 493240.816 3761060.213 682.98
LOCATION L0003900 VOLUME 493248.532 3761063.989 680.87
LOCATION L0003901 VOLUME 493256.247 3761067.766 679.09
LOCATION L0003902 VOLUME 493263.962 3761071.543 677.64
LOCATION L0003903 VOLUME 493271.677 3761075.319 676.64
LOCATION L0003904 VOLUME 493279.392 3761079.096 676.28
LOCATION L0003905 VOLUME 493287.108 3761082.873 675.72
LOCATION L0003906 VOLUME 493294.823 3761086.649 674.96
LOCATION L0003907 VOLUME 493302.538 3761090.426 674.11
LOCATION L0003908 VOLUME 493310.253 3761094.203 673.38
LOCATION L0003909 VOLUME 493317.969 3761097.979 672.59
LOCATION L0003910 VOLUME 493325.684 3761101.756 671.73
LOCATION L0003911 VOLUME 493333.399 3761105.533 670.81
LOCATION L0003912 VOLUME 493341.114 3761109.310 669.82
LOCATION L0003913 VOLUME 493348.830 3761113.086 668.77
LOCATION L0003914 VOLUME 493356.134 3761117.583 667.80
LOCATION L0003915 VOLUME 493363.308 3761122.307 667.44
LOCATION L0003916 VOLUME 493370.482 3761127.032 667.69
LOCATION L0003917 VOLUME 493377.656 3761131.756 667.72
LOCATION L0003918 VOLUME 493384.830 3761136.481 667.51
LOCATION L0003919 VOLUME 493392.012 3761141.191 667.49
LOCATION L0003920 VOLUME 493399.757 3761144.908 668.91
LOCATION L0003921 VOLUME 493407.501 3761148.625 670.30
LOCATION L0003922 VOLUME 493415.245 3761152.342 671.48
LOCATION L0003923 VOLUME 493422.989 3761156.059 672.91
LOCATION L0003924 VOLUME 493430.733 3761159.776 675.12
LOCATION L0003925 VOLUME 493438.477 3761163.494 677.33

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   LOCATION L0003926     VOLUME   493445.537 3761168.242 679.21
   LOCATION L0003927     VOLUME   493451.974 3761173.931 680.37
   LOCATION L0003928     VOLUME   493458.410 3761179.619 680.81
   LOCATION L0003929     VOLUME   493464.847 3761185.307 681.45
   LOCATION L0003930     VOLUME   493471.284 3761190.995 682.10
   LOCATION L0003931     VOLUME   493477.720 3761196.684 682.74
   LOCATION L0003932     VOLUME   493484.157 3761202.372 682.66
   LOCATION L0003933     VOLUME   493490.430 3761208.240 682.37
   LOCATION L0003934     VOLUME   493496.663 3761214.151 682.20
   LOCATION L0003935     VOLUME   493502.896 3761220.061 682.19
   LOCATION L0003936     VOLUME   493509.129 3761225.972 682.34
   LOCATION L0003937     VOLUME   493515.362 3761231.883 681.82
   LOCATION L0003938     VOLUME   493521.595 3761237.793 681.18
   LOCATION L0003939     VOLUME   493527.828 3761243.704 680.52
   LOCATION L0003940     VOLUME   493534.061 3761249.615 680.10
   LOCATION L0003941     VOLUME   493540.294 3761255.526 679.93
   LOCATION L0003942     VOLUME   493546.817 3761261.094 680.05
   LOCATION L0003943     VOLUME   493553.689 3761266.248 680.11
   LOCATION L0003944     VOLUME   493560.561 3761271.402 679.82
   LOCATION L0003945     VOLUME   493567.433 3761276.556 679.54
   LOCATION L0003946     VOLUME   493574.305 3761281.710 679.19
   LOCATION L0003947     VOLUME   493581.177 3761286.864 678.85
   LOCATION L0003948     VOLUME   493588.049 3761292.018 678.59
   LOCATION L0003949     VOLUME   493594.921 3761297.172 678.44
   LOCATION L0003950     VOLUME   493601.793 3761302.326 678.69
   LOCATION L0003951     VOLUME   493608.716 3761307.403 679.47
   LOCATION L0003952     VOLUME   493616.152 3761311.702 680.06
   LOCATION L0003953     VOLUME   493623.589 3761316.001 680.51
   LOCATION L0003954     VOLUME   493631.026 3761320.301 680.82
   LOCATION L0003955     VOLUME   493638.462 3761324.600 681.19
   LOCATION L0003956     VOLUME   493645.899 3761328.899 681.92
   LOCATION L0003957     VOLUME   493653.336 3761333.199 682.88
   LOCATION L0003958     VOLUME   493660.772 3761337.498 683.83
   LOCATION L0003959     VOLUME   493668.209 3761341.797 683.66
   LOCATION L0003960     VOLUME   493675.562 3761346.233 683.30
   LOCATION L0003961     VOLUME   493682.810 3761350.845 682.76
** End of LINE VOLUME Source ID = SLINE37
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE38
** DESCRSRC Sandalwood 40%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 7.436E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 493590.983, 3761678.274, 704.58, 3.49, 6.51
** 493593.607, 3761637.865, 696.71, 3.49, 6.51
** 493604.628, 3761579.613, 684.19, 3.49, 6.51
** 493630.867, 3761499.320, 694.15, 3.49, 6.51
** 493664.454, 3761401.709, 696.69, 3.49, 6.51
** 493689.644, 3761355.003, 682.00, 3.49, 6.51
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   LOCATION L0003962     VOLUME   493591.437 3761671.288 704.87
   LOCATION L0003963     VOLUME   493592.344 3761657.318 702.80
   LOCATION L0003964     VOLUME   493593.251 3761643.347 700.61
   LOCATION L0003965     VOLUME   493595.188 3761629.507 697.86
   LOCATION L0003966     VOLUME   493597.791 3761615.751 694.49
   LOCATION L0003967     VOLUME   493600.393 3761601.995 691.76
   LOCATION L0003968     VOLUME   493602.996 3761588.239 688.77
   LOCATION L0003969     VOLUME   493606.249 3761574.650 685.65
   LOCATION L0003970     VOLUME   493610.598 3761561.343 684.53
   LOCATION L0003971     VOLUME   493614.947 3761548.035 685.56
   LOCATION L0003972     VOLUME   493619.296 3761534.728 686.76
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   LOCATION L0003973     VOLUME   493623.645 3761521.421 689.63
   LOCATION L0003974     VOLUME   493627.994 3761508.113 693.02
   LOCATION L0003975     VOLUME   493632.412 3761494.829 694.90
   LOCATION L0003976     VOLUME   493636.967 3761481.591 696.09
   LOCATION L0003977     VOLUME   493641.523 3761468.353 695.62
   LOCATION L0003978     VOLUME   493646.078 3761455.114 694.92
   LOCATION L0003979     VOLUME   493650.633 3761441.876 695.82
   LOCATION L0003980     VOLUME   493655.188 3761428.638 697.92
   LOCATION L0003981     VOLUME   493659.743 3761415.400 698.83
   LOCATION L0003982     VOLUME   493664.298 3761402.162 696.21
   LOCATION L0003983     VOLUME   493670.872 3761389.808 692.48
   LOCATION L0003984     VOLUME   493677.518 3761377.486 688.18
   LOCATION L0003985     VOLUME   493684.163 3761365.164 684.46
** End of LINE VOLUME Source ID = SLINE38
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE39
** DESCRSRC Sandalwood 80%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 4.516E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 3
** 493691.218, 3761356.577, 682.00, 3.49, 6.51
** 493734.776, 3761300.424, 682.25, 3.49, 6.51
** 493756.817, 3761276.809, 683.45, 3.49, 6.51
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   LOCATION L0003986     VOLUME   493695.508 3761351.046 681.34
   LOCATION L0003987     VOLUME   493704.089 3761339.984 680.25
   LOCATION L0003988     VOLUME   493712.670 3761328.922 679.37
   LOCATION L0003989     VOLUME   493721.251 3761317.860 679.84
   LOCATION L0003990     VOLUME   493729.832 3761306.798 681.15
   LOCATION L0003991     VOLUME   493738.825 3761296.086 682.62
   LOCATION L0003992     VOLUME   493748.377 3761285.852 682.94
** End of LINE VOLUME Source ID = SLINE39
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE40
** DESCRSRC Sandalwood 95%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0000348
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 9
** 493756.448, 3761276.031, 683.40, 3.49, 6.51
** 493784.598, 3761254.918, 685.01, 3.49, 6.51
** 493849.945, 3761209.678, 687.71, 3.49, 6.51
** 493904.234, 3761186.555, 695.06, 3.49, 6.51
** 493978.630, 3761166.448, 694.37, 3.49, 6.51
** 494049.004, 3761160.416, 703.94, 3.49, 6.51
** 494123.400, 3761168.459, 710.44, 3.49, 6.51
** 494183.721, 3761184.544, 705.80, 3.49, 6.51
** 494237.004, 3761203.646, 706.28, 3.49, 6.51
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   LOCATION L0003993     VOLUME   493762.048 3761271.831 685.08
   LOCATION L0003994     VOLUME   493773.248 3761263.431 685.59
   LOCATION L0003995     VOLUME   493784.448 3761255.031 684.61
   LOCATION L0003996     VOLUME   493795.955 3761247.056 683.27
   LOCATION L0003997     VOLUME   493807.465 3761239.087 682.95
   LOCATION L0003998     VOLUME   493818.976 3761231.118 684.39
   LOCATION L0003999     VOLUME   493830.487 3761223.149 686.07
   LOCATION L0004000     VOLUME   493841.998 3761215.180 687.52
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   LOCATION L0004001     VOLUME   493853.932 3761207.980 688.87
   LOCATION L0004002     VOLUME   493866.812 3761202.494 691.01
   LOCATION L0004003     VOLUME   493879.693 3761197.008 692.66
   LOCATION L0004004     VOLUME   493892.573 3761191.522 693.72
   LOCATION L0004005     VOLUME   493905.514 3761186.209 694.33
   LOCATION L0004006     VOLUME   493919.029 3761182.556 694.58
   LOCATION L0004007     VOLUME   493932.544 3761178.904 694.77
   LOCATION L0004008     VOLUME   493946.059 3761175.251 694.56
   LOCATION L0004009     VOLUME   493959.574 3761171.598 694.34
   LOCATION L0004010     VOLUME   493973.089 3761167.945 694.55
   LOCATION L0004011     VOLUME   493986.860 3761165.742 694.70
   LOCATION L0004012     VOLUME   494000.809 3761164.547 695.67
   LOCATION L0004013     VOLUME   494014.758 3761163.351 697.07
   LOCATION L0004014     VOLUME   494028.707 3761162.156 699.43
   LOCATION L0004015     VOLUME   494042.655 3761160.960 702.55
   LOCATION L0004016     VOLUME   494056.588 3761161.236 704.83
   LOCATION L0004017     VOLUME   494070.507 3761162.740 706.42
   LOCATION L0004018     VOLUME   494084.426 3761164.245 708.02
   LOCATION L0004019     VOLUME   494098.345 3761165.750 708.84
   LOCATION L0004020     VOLUME   494112.264 3761167.255 709.87
   LOCATION L0004021     VOLUME   494126.104 3761169.180 710.59
   LOCATION L0004022     VOLUME   494139.631 3761172.787 711.52
   LOCATION L0004023     VOLUME   494153.159 3761176.394 709.46
   LOCATION L0004024     VOLUME   494166.686 3761180.002 707.12
   LOCATION L0004025     VOLUME   494180.213 3761183.609 706.41
   LOCATION L0004026     VOLUME   494193.482 3761188.044 706.86
   LOCATION L0004027     VOLUME   494206.661 3761192.768 707.02
   LOCATION L0004028     VOLUME   494219.840 3761197.493 706.37
   LOCATION L0004029     VOLUME   494233.019 3761202.217 705.56
** End of LINE VOLUME Source ID = SLINE40
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE41
** DESCRSRC Roberts 5%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.075E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 494337.668, 3761022.073, 703.18, 3.49, 4.00
** 494300.407, 3761072.979, 706.13, 3.49, 4.00
** 494281.514, 3761107.091, 703.26, 3.49, 4.00
** 494266.295, 3761131.757, 696.70, 3.49, 4.00
** 494254.749, 3761157.997, 695.90, 3.49, 4.00
** 494239.005, 3761195.783, 704.63, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0004081     VOLUME   494335.131 3761025.539 703.42
   LOCATION L0004082     VOLUME   494330.057 3761032.470 703.60
   LOCATION L0004083     VOLUME   494324.984 3761039.402 704.02
   LOCATION L0004084     VOLUME   494319.910 3761046.334 704.64
   LOCATION L0004085     VOLUME   494314.837 3761053.265 705.04
   LOCATION L0004086     VOLUME   494309.763 3761060.197 705.90
   LOCATION L0004087     VOLUME   494304.689 3761067.128 706.56
   LOCATION L0004088     VOLUME   494299.758 3761074.151 706.64
   LOCATION L0004089     VOLUME   494295.596 3761081.665 706.41
   LOCATION L0004090     VOLUME   494291.434 3761089.180 705.29
   LOCATION L0004091     VOLUME   494287.272 3761096.694 703.83
   LOCATION L0004092     VOLUME   494283.111 3761104.209 702.47
   LOCATION L0004093     VOLUME   494278.734 3761111.597 701.06
   LOCATION L0004094     VOLUME   494274.223 3761118.908 699.70
   LOCATION L0004095     VOLUME   494269.712 3761126.218 698.37
   LOCATION L0004096     VOLUME   494265.456 3761133.662 696.98
   LOCATION L0004097     VOLUME   494261.997 3761141.525 695.69
   LOCATION L0004098     VOLUME   494258.537 3761149.387 695.13
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   LOCATION L0004099     VOLUME   494255.078 3761157.250 695.63
   LOCATION L0004100     VOLUME   494251.759 3761165.173 696.36
   LOCATION L0004101     VOLUME   494248.455 3761173.102 697.32
   LOCATION L0004102     VOLUME   494245.151 3761181.031 698.99
   LOCATION L0004103     VOLUME   494241.848 3761188.960 701.11
** End of LINE VOLUME Source ID = SLINE41
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE42
** DESCRSRC Sandalwood 100%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.00003964
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 8
** 494241.598, 3761208.286, 705.24, 3.49, 6.51
** 494337.298, 3761246.566, 711.54, 3.49, 6.51
** 494398.422, 3761278.054, 719.11, 3.49, 6.51
** 494446.581, 3761308.925, 719.91, 3.49, 6.51
** 494486.713, 3761306.456, 720.41, 3.49, 6.51
** 494539.811, 3761326.830, 723.21, 3.49, 6.51
** 494616.371, 3761358.936, 730.92, 3.49, 6.51
** 494725.164, 3761398.457, 732.07, 3.49, 6.51
** ----------------------------------------------------------------------
   LOCATION L0004044     VOLUME   494248.097 3761210.886 703.48
   LOCATION L0004045     VOLUME   494261.096 3761216.085 701.40
   LOCATION L0004046     VOLUME   494274.095 3761221.285 702.42
   LOCATION L0004047     VOLUME   494287.093 3761226.484 702.83
   LOCATION L0004048     VOLUME   494300.092 3761231.684 704.08
   LOCATION L0004049     VOLUME   494313.091 3761236.883 705.80
   LOCATION L0004050     VOLUME   494326.089 3761242.083 708.42
   LOCATION L0004051     VOLUME   494339.012 3761247.449 711.53
   LOCATION L0004052     VOLUME   494351.457 3761253.860 713.91
   LOCATION L0004053     VOLUME   494363.903 3761260.272 716.23
   LOCATION L0004054     VOLUME   494376.349 3761266.683 718.87
   LOCATION L0004055     VOLUME   494388.794 3761273.094 719.06
   LOCATION L0004056     VOLUME   494401.091 3761279.765 718.75
   LOCATION L0004057     VOLUME   494412.877 3761287.320 719.08
   LOCATION L0004058     VOLUME   494424.663 3761294.875 719.48
   LOCATION L0004059     VOLUME   494436.450 3761302.431 720.08
   LOCATION L0004060     VOLUME   494448.543 3761308.804 720.53
   LOCATION L0004061     VOLUME   494462.517 3761307.945 720.68
   LOCATION L0004062     VOLUME   494476.490 3761307.085 720.86
   LOCATION L0004063     VOLUME   494490.221 3761307.802 721.18
   LOCATION L0004064     VOLUME   494503.292 3761312.817 721.65
   LOCATION L0004065     VOLUME   494516.363 3761317.833 722.26
   LOCATION L0004066     VOLUME   494529.434 3761322.848 722.86
   LOCATION L0004067     VOLUME   494542.471 3761327.946 723.92
   LOCATION L0004068     VOLUME   494555.382 3761333.360 725.15
   LOCATION L0004069     VOLUME   494568.293 3761338.774 726.37
   LOCATION L0004070     VOLUME   494581.204 3761344.189 727.59
   LOCATION L0004071     VOLUME   494594.114 3761349.603 728.81
   LOCATION L0004072     VOLUME   494607.025 3761355.017 730.03
   LOCATION L0004073     VOLUME   494620.004 3761360.256 730.84
   LOCATION L0004074     VOLUME   494633.163 3761365.036 731.26
   LOCATION L0004075     VOLUME   494646.322 3761369.816 731.81
   LOCATION L0004076     VOLUME   494659.480 3761374.596 732.07
   LOCATION L0004077     VOLUME   494672.639 3761379.376 732.41
   LOCATION L0004078     VOLUME   494685.798 3761384.156 732.71
   LOCATION L0004079     VOLUME   494698.956 3761388.937 732.49
   LOCATION L0004080     VOLUME   494712.115 3761393.717 732.49
** End of LINE VOLUME Source ID = SLINE42
   LOCATION STCK1        POINT      493621.370  3761151.300      682.580
** DESCRSRC PA2 Fire Pump
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   LOCATION STCK2        POINT      493019.336  3761472.393      685.790
** DESCRSRC PA5 Fire Pump
   LOCATION STCK3        POINT      493330.442  3761458.328      684.390
** DESCRSRC PA4 Fire Pump
   LOCATION STCK4        POINT      492725.893  3761416.589      685.960
** DESCRSRC PA6 Fire Pump
   LOCATION STCK5        POINT      492428.079  3761505.655      679.500
** DESCRSRC PA8 Fire Pump
   LOCATION STCK6        POINT      492415.554  3761314.998      688.900
** DESCRSRC PA2 Fire Pump
   LOCATION STCK7        POINT      493634.550  3761147.050      686.400
** DESCRSRC PA2 Emergency Generator
   LOCATION STCK8        POINT      493618.552  3761439.964      687.900
** DESCRSRC PA4 Fire Pump
   LOCATION STCK9        POINT      493516.184  3761604.803      708.640
** DESCRSRC PA4 Fire Pump
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0002041     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002042     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002043     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002044     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002045     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002046     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002047     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002048     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002049     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002050     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002051     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002052     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002053     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002054     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002055     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002056     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002057     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002058     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002059     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002060     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002061     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002062     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002063     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002064     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002065     0.000018876      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0002066     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002067     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002068     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002069     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002070     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002071     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002072     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002073     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002074     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002075     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002076     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002077     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002078     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002079     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002080     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002081     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002082     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002083     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002084     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002085     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002086     0.000018876      3.49      4.00      3.25
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   SRCPARAM L0002087     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002088     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002089     0.000018876      3.49      4.00      3.25
   SRCPARAM L0002090     0.000018876      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0002091     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002092     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002093     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002094     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002095     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002096     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002097     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002098     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002099     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002100     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002101     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002102     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002103     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002104     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002105     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002106     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002107     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002108     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002109     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002110     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002111     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002112     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002113     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002114     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002115     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002116     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002117     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002118     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002119     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002120     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002121     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002122     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002123     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002124     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002125     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002126     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002127     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002128     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002129     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002130     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002131     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002132     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002133     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002134     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002135     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002136     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002137     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002138     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002139     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002140     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002141     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002142     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002143     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002144     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002145     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002146     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002147     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002148     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002149     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002150     0.0000002485      3.49      4.00      3.25
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   SRCPARAM L0002151     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002152     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002153     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002154     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002155     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002156     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002157     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002158     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002159     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002160     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002161     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002162     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002163     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002164     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002165     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002166     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002167     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002168     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002169     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002170     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002171     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002172     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002173     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002174     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002175     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002176     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002177     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002178     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002179     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002180     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002181     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002182     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002183     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002184     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002185     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002186     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002187     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002188     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002189     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002190     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002191     0.0000002485      3.49      4.00      3.25
   SRCPARAM L0002192     0.0000002485      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0002193     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002194     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002195     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002196     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002197     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002198     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002199     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002200     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002201     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002202     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002203     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002204     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002205     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002206     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002207     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002208     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002209     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002210     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002211     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002212     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002213     0.0000001679      3.49      4.00      3.25
   SRCPARAM L0002214     0.0000001679      3.49      4.00      3.25
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** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0002215     0.000001231      3.49      4.00      3.25
   SRCPARAM L0002216     0.000001231      3.49      4.00      3.25
   SRCPARAM L0002217     0.000001231      3.49      4.00      3.25
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0002218     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002219     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002220     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002221     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002222     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002223     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002224     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002225     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002226     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002227     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002228     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002229     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002230     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002231     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002232     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002233     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002234     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002235     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002236     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002237     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002238     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002239     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002240     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002241     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002242     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002243     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002244     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002245     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002246     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002247     0.0000003474      3.49      4.00      3.25
   SRCPARAM L0002248     0.0000003474      3.49      4.00      3.25
** ----------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0002249     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002250     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002251     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002252     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002253     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002254     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002255     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002256     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002257     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002258     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002259     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002260     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002261     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002262     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002263     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002264     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002265     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002266     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002267     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002268     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002269     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002270     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002271     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002272     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002273     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002274     0.0000003714      3.49      4.00      3.25
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   SRCPARAM L0002275     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002276     0.0000003714      3.49      4.00      3.25
   SRCPARAM L0002277     0.0000003714      3.49      4.00      3.25
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE8
   SRCPARAM L0002278     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002279     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002280     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002281     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002282     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002283     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002284     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002285     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002286     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002287     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002288     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002289     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002290     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002291     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002292     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002293     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002294     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002295     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002296     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002297     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002298     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002299     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002300     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002301     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002302     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002303     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002304     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002305     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002306     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002307     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002308     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002309     0.0000001122      3.49      4.00      3.25
** ----------------------------------------------------------------
** LINE VOLUME Source ID = SLINE9
   SRCPARAM L0002310     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002311     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002312     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002313     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002314     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002315     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002316     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002317     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002318     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002319     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002320     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002321     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002322     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002323     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002324     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002325     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002326     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002327     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002328     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002329     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002330     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002331     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002332     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002333     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002334     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002335     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002336     0.0000001197      3.49      4.00      3.25
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   SRCPARAM L0002337     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002338     0.0000001197      3.49      4.00      3.25
   SRCPARAM L0002339     0.0000001197      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE10
   SRCPARAM L0002340     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002341     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002342     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002343     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002344     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002345     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002346     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002347     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002348     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002349     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002350     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002351     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002352     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002353     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002354     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002355     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002356     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002357     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002358     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002359     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002360     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002361     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002362     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002363     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002364     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002365     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002366     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002367     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002368     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002369     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002370     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002371     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002372     0.0000003264      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE11
   SRCPARAM L0002373     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002374     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002375     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002376     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002377     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002378     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002379     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002380     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002381     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002382     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002383     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002384     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002385     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002386     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002387     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002388     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002389     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002390     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002391     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002392     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002393     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002394     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002395     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002396     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002397     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002398     0.0000003264      3.49      4.00      3.25
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   SRCPARAM L0002399     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002400     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002401     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002402     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002403     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002404     0.0000003264      3.49      4.00      3.25
   SRCPARAM L0002405     0.0000003264      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE12
   SRCPARAM L0002406     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002407     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002408     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002409     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002410     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002411     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002412     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002413     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002414     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002415     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002416     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002417     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002418     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002419     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002420     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002421     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002422     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002423     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002424     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002425     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002426     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002427     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002428     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002429     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002430     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002431     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002432     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002433     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002434     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002435     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002436     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002437     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002438     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002439     0.0000001056      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE13
   SRCPARAM L0002440     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002441     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002442     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002443     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002444     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002445     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002446     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002447     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002448     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002449     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002450     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002451     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002452     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002453     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002454     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002455     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002456     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002457     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002458     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002459     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002460     0.0000001056      3.49      4.00      3.25
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   SRCPARAM L0002461     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002462     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002463     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002464     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002465     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002466     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002467     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002468     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002469     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002470     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002471     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002472     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002473     0.0000001056      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE14
   SRCPARAM L0002474     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002475     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002476     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002477     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002478     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002479     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002480     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002481     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002482     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002483     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002484     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002485     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002486     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002487     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002488     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002489     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002490     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002491     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002492     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002493     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002494     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002495     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002496     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002497     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002498     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002499     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002500     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002501     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002502     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002503     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002504     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002505     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002506     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002507     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002508     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002509     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002510     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002511     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002512     0.0000002762      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE15
   SRCPARAM L0002513     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002514     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002515     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002516     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002517     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002518     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002519     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002520     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002521     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002522     0.0000002762      3.49      4.00      3.25
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   SRCPARAM L0002523     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002524     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002525     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002526     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002527     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002528     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002529     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002530     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002531     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002532     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002533     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002534     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002535     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002536     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002537     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002538     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002539     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002540     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002541     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002542     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002543     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002544     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002545     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002546     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002547     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002548     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002549     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002550     0.0000002762      3.49      4.00      3.25
   SRCPARAM L0002551     0.0000002762      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE16
   SRCPARAM L0002552     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002553     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002554     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002555     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002556     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002557     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002558     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002559     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002560     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002561     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002562     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002563     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002564     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002565     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002566     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002567     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002568     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002569     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002570     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002571     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002572     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002573     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002574     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002575     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002576     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002577     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002578     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002579     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002580     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002581     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002582     0.0000001122      3.49      4.00      3.25
   SRCPARAM L0002583     0.0000001122      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE17
   SRCPARAM L0002584     0.00000008977      3.49      4.00      3.25
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   SRCPARAM L0002585     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002586     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002587     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002588     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002589     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002590     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002591     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002592     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002593     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002594     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002595     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002596     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002597     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002598     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002599     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002600     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002601     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002602     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002603     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002604     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002605     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002606     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002607     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002608     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002609     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002610     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002611     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002612     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002613     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002614     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002615     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002616     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002617     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002618     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002619     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002620     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002621     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002622     0.00000008977      3.49      4.00      3.25
   SRCPARAM L0002623     0.00000008977      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE18
   SRCPARAM L0002624     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002625     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002626     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002627     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002628     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002629     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002630     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002631     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002632     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002633     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002634     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002635     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002636     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002637     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002638     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002639     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002640     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002641     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002642     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002643     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002644     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002645     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002646     0.0000004683      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE19
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   SRCPARAM L0002647     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002648     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002649     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002650     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002651     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002652     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002653     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002654     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002655     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002656     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002657     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002658     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002659     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002660     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002661     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002662     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002663     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002664     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002665     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002666     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002667     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002668     0.0000004683      3.49      4.00      3.25
   SRCPARAM L0002669     0.0000004683      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE20
   SRCPARAM L0002670     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002671     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002672     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002673     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002674     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002675     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002676     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002677     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002678     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002679     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002680     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002681     0.0000001381      3.49      4.00      3.25
   SRCPARAM L0002682     0.0000001381      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE21
   SRCPARAM L0002683     0.0000002992      3.49      4.00      3.25
   SRCPARAM L0002684     0.0000002992      3.49      4.00      3.25
   SRCPARAM L0002685     0.0000002992      3.49      4.00      3.25
   SRCPARAM L0002686     0.0000002992      3.49      4.00      3.25
   SRCPARAM L0002687     0.0000002992      3.49      4.00      3.25
   SRCPARAM L0002688     0.0000002992      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE22
   SRCPARAM L0002689     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002690     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002691     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002692     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002693     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002694     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002695     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002696     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002697     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002698     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002699     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002700     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002701     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002702     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002703     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002704     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002705     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002706     0.00000006904      3.49      4.00      3.25
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   SRCPARAM L0002707     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002708     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002709     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002710     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002711     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002712     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002713     0.00000006904      3.49      4.00      3.25
   SRCPARAM L0002714     0.00000006904      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE23
   SRCPARAM L0002715     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002716     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002717     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002718     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002719     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002720     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002721     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002722     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002723     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002724     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002725     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002726     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002727     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002728     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002729     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002730     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002731     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002732     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002733     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002734     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002735     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002736     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002737     0.00000007479      3.49      4.00      3.25
   SRCPARAM L0002738     0.00000007479      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE24
   SRCPARAM L0002739     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002740     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002741     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002742     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002743     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002744     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002745     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002746     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002747     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002748     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002749     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002750     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002751     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002752     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002753     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002754     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002755     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002756     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002757     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002758     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002759     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002760     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002761     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002762     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002763     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002764     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002765     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002766     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002767     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002768     0.0000004308      3.49      4.00      3.25
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   SRCPARAM L0002769     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002770     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002771     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002772     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002773     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002774     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002775     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002776     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002777     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002778     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002779     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002780     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002781     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002782     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002783     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002784     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002785     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002786     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002787     0.0000004308      3.49      4.00      3.25
   SRCPARAM L0002788     0.0000004308      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE25
   SRCPARAM L0002789     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002790     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002791     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002792     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002793     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002794     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002795     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002796     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002797     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002798     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002799     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002800     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002801     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002802     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002803     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002804     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002805     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002806     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002807     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002808     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002809     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002810     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002811     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002812     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002813     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002814     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002815     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002816     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002817     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002818     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002819     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002820     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002821     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002822     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002823     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002824     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002825     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002826     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002827     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002828     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002829     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002830     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002831     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002832     0.0000001056      3.49      4.00      3.25
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   SRCPARAM L0002833     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002834     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002835     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002836     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002837     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002838     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002839     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002840     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002841     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002842     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002843     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002844     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002845     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002846     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002847     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002848     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002849     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002850     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002851     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002852     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002853     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002854     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002855     0.0000001056      3.49      4.00      3.25
   SRCPARAM L0002856     0.0000001056      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE26
   SRCPARAM L0002857     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002858     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002859     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002860     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002861     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002862     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002863     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002864     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002865     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002866     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002867     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002868     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002869     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002870     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002871     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002872     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002873     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002874     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002875     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002876     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002877     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002878     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002879     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002880     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002881     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002882     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002883     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002884     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002885     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002886     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002887     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002888     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002889     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002890     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002891     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002892     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002893     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002894     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002895     0.000001285       3.49      4.00      3.25
   SRCPARAM L0002896     0.000001285       3.49      4.00      3.25
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SRCPARAM L0002897     0.000001285      3.49      4.00      3.25
SRCPARAM L0002898     0.000001285      3.49      4.00      3.25
SRCPARAM L0002899     0.000001285      3.49      4.00      3.25
SRCPARAM L0002900     0.000001285      3.49      4.00      3.25
SRCPARAM L0002901     0.000001285      3.49      4.00      3.25
SRCPARAM L0002902     0.000001285      3.49      4.00      3.25
SRCPARAM L0002903     0.000001285      3.49      4.00      3.25
SRCPARAM L0002904     0.000001285      3.49      4.00      3.25
SRCPARAM L0002905     0.000001285      3.49      4.00      3.25
SRCPARAM L0002906     0.000001285      3.49      4.00      3.25
SRCPARAM L0002907     0.000001285      3.49      4.00      3.25
SRCPARAM L0002908     0.000001285      3.49      4.00      3.25
SRCPARAM L0002909     0.000001285      3.49      4.00      3.25
SRCPARAM L0002910     0.000001285      3.49      4.00      3.25
SRCPARAM L0002911     0.000001285      3.49      4.00      3.25
SRCPARAM L0002912     0.000001285      3.49      4.00      3.25
SRCPARAM L0002913     0.000001285      3.49      4.00      3.25
SRCPARAM L0002914     0.000001285      3.49      4.00      3.25
SRCPARAM L0002915     0.000001285      3.49      4.00      3.25
SRCPARAM L0002916     0.000001285      3.49      4.00      3.25
SRCPARAM L0002917     0.000001285      3.49      4.00      3.25
SRCPARAM L0002918     0.000001285      3.49      4.00      3.25
SRCPARAM L0002919     0.000001285      3.49      4.00      3.25
SRCPARAM L0002920     0.000001285      3.49      4.00      3.25
SRCPARAM L0002921     0.000001285      3.49      4.00      3.25
SRCPARAM L0002922     0.000001285      3.49      4.00      3.25
SRCPARAM L0002923     0.000001285      3.49      4.00      3.25
SRCPARAM L0002924     0.000001285      3.49      4.00      3.25
SRCPARAM L0002925     0.000001285      3.49      4.00      3.25
SRCPARAM L0002926     0.000001285      3.49      4.00      3.25
SRCPARAM L0002927     0.000001285      3.49      4.00      3.25
SRCPARAM L0002928     0.000001285      3.49      4.00      3.25
SRCPARAM L0002929     0.000001285      3.49      4.00      3.25
SRCPARAM L0002930     0.000001285      3.49      4.00      3.25
SRCPARAM L0002931     0.000001285      3.49      4.00      3.25
SRCPARAM L0002932     0.000001285      3.49      4.00      3.25
SRCPARAM L0002933     0.000001285      3.49      4.00      3.25
SRCPARAM L0002934     0.000001285      3.49      4.00      3.25
SRCPARAM L0002935     0.000001285      3.49      4.00      3.25
SRCPARAM L0002936     0.000001285      3.49      4.00      3.25
SRCPARAM L0002937     0.000001285      3.49      4.00      3.25
SRCPARAM L0002938     0.000001285      3.49      4.00      3.25
SRCPARAM L0002939     0.000001285      3.49      4.00      3.25
SRCPARAM L0002940     0.000001285      3.49      4.00      3.25
SRCPARAM L0002941     0.000001285      3.49      4.00      3.25
SRCPARAM L0002942     0.000001285      3.49      4.00      3.25
SRCPARAM L0002943     0.000001285      3.49      4.00      3.25
SRCPARAM L0002944     0.000001285      3.49      4.00      3.25
SRCPARAM L0002945     0.000001285      3.49      4.00      3.25
SRCPARAM L0002946     0.000001285      3.49      4.00      3.25
SRCPARAM L0002947     0.000001285      3.49      4.00      3.25
SRCPARAM L0002948     0.000001285      3.49      4.00      3.25
SRCPARAM L0002949     0.000001285      3.49      4.00      3.25
SRCPARAM L0002950     0.000001285      3.49      4.00      3.25
SRCPARAM L0002951     0.000001285      3.49      4.00      3.25
SRCPARAM L0002952     0.000001285      3.49      4.00      3.25
SRCPARAM L0002953     0.000001285      3.49      4.00      3.25
SRCPARAM L0002954     0.000001285      3.49      4.00      3.25
SRCPARAM L0002955     0.000001285      3.49      4.00      3.25
SRCPARAM L0002956     0.000001285      3.49      4.00      3.25
SRCPARAM L0002957     0.000001285      3.49      4.00      3.25
SRCPARAM L0002958     0.000001285      3.49      4.00      3.25
SRCPARAM L0002959     0.000001285      3.49      4.00      3.25
SRCPARAM L0002960     0.000001285      3.49      4.00      3.25
SRCPARAM L0002961     0.000001285      3.49      4.00      3.25
SRCPARAM L0002962     0.000001285      3.49      4.00      3.25
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   SRCPARAM L0002963     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002964     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002965     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002966     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002967     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002968     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002969     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002970     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002971     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002972     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002973     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002974     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002975     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002976     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002977     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002978     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002979     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002980     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002981     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002982     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002983     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002984     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002985     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002986     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002987     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002988     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002989     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002990     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002991     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002992     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002993     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002994     0.000001285      3.49      4.00      3.25
   SRCPARAM L0002995     0.000001285      3.49      4.00      3.25
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** LINE VOLUME Source ID = SLINE27
   SRCPARAM L0002996     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0002997     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0002998     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0002999     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003000     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003001     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003002     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003003     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003004     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003005     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003006     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003007     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003008     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003009     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003010     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003011     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003012     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003013     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003014     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003015     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003016     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003017     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003018     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003019     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003020     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003021     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003022     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003023     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003024     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003025     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003026     0.00000003737      3.49      4.00      3.25
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   SRCPARAM L0003027     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003028     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003029     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003030     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003031     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003032     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003033     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003034     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003035     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003036     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003037     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003038     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003039     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003040     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003041     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003042     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003043     0.00000003737      3.49      4.00      3.25
   SRCPARAM L0003044     0.00000003737      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE28
   SRCPARAM L0003045     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003046     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003047     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003048     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003049     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003050     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003051     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003052     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003053     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003054     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003055     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003056     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003057     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003058     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003059     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003060     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003061     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003062     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003063     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003064     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003065     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003066     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003067     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003068     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003069     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003070     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003071     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003072     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003073     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003074     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003075     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003076     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003077     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003078     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003079     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003080     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003081     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003082     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003083     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003084     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003085     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003086     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003087     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003088     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003089     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003090     0.00000005471      3.49      4.00      3.25
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   SRCPARAM L0003091     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003092     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003093     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003094     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003095     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003096     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003097     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003098     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003099     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003100     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003101     0.00000005471      3.49      4.00      3.25
   SRCPARAM L0003102     0.00000005471      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE29
   SRCPARAM L0003103     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003104     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003105     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003106     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003107     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003108     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003109     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003110     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003111     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003112     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003113     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003114     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003115     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003116     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003117     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003118     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003119     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003120     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003121     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003122     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003123     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003124     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003125     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003126     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003127     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003128     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003129     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003130     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003131     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003132     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003133     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003134     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003135     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003136     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003137     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003138     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003139     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003140     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003141     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003142     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003143     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003144     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003145     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003146     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003147     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003148     0.00000005461      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE30
   SRCPARAM L0003149     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003150     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003151     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003152     0.00000005484      3.49      4.00      3.25
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   SRCPARAM L0003153     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003154     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003155     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003156     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003157     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003158     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003159     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003160     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003161     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003162     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003163     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003164     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003165     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003166     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003167     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003168     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003169     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003170     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003171     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003172     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003173     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003174     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003175     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003176     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003177     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003178     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003179     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003180     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003181     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003182     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003183     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003184     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003185     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003186     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003187     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003188     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003189     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003190     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003191     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003192     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003193     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003194     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003195     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003196     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003197     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003198     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003199     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003200     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003201     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003202     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003203     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003204     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003205     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003206     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003207     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003208     0.00000005484      3.49      4.00      3.25
   SRCPARAM L0003209     0.00000005484      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE31
   SRCPARAM L0003210     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003211     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003212     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003213     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003214     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003215     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003216     0.00000005461      3.49      4.00      3.25
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   SRCPARAM L0003217     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003218     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003219     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003220     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003221     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003222     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003223     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003224     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003225     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003226     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003227     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003228     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003229     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003230     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003231     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003232     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003233     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003234     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003235     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003236     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003237     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003238     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003239     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003240     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003241     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003242     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003243     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003244     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003245     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003246     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003247     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003248     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003249     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003250     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003251     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003252     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003253     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003254     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003255     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003256     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003257     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003258     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003259     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003260     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003261     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003262     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003263     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003264     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003265     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003266     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003267     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003268     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003269     0.00000005461      3.49      4.00      3.25
   SRCPARAM L0003270     0.00000005461      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE32
   SRCPARAM L0003271     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003272     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003273     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003274     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003275     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003276     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003277     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003278     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003279     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003280     0.00000005393      3.49      4.00      3.25
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   SRCPARAM L0003281     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003282     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003283     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003284     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003285     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003286     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003287     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003288     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003289     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003290     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003291     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003292     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003293     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003294     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003295     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003296     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003297     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003298     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003299     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003300     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003301     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003302     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003303     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003304     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003305     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003306     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003307     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003308     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003309     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003310     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003311     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003312     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003313     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003314     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003315     0.00000005393      3.49      4.00      3.25
   SRCPARAM L0003316     0.00000005393      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE33
   SRCPARAM L0003317     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003318     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003319     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003320     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003321     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003322     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003323     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003324     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003325     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003326     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003327     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003328     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003329     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003330     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003331     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003332     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003333     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003334     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003335     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003336     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003337     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003338     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003339     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003340     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003341     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003342     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003343     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003344     0.00000005425      3.49      4.00      3.25
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   SRCPARAM L0003345     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003346     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003347     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003348     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003349     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003350     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003351     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003352     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003353     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003354     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003355     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003356     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003357     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003358     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003359     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003360     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003361     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003362     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003363     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003364     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003365     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003366     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003367     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003368     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003369     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003370     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003371     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003372     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003373     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003374     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003375     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003376     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003377     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003378     0.00000005425      3.49      4.00      3.25
   SRCPARAM L0003379     0.00000005425      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE34
   SRCPARAM L0003380     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003381     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003382     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003383     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003384     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003385     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003386     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003387     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003388     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003389     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003390     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003391     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003392     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003393     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003394     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003395     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003396     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003397     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003398     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003399     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003400     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003401     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003402     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003403     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003404     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003405     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003406     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003407     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003408     0.0000001085      3.49      4.00      3.25
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SRCPARAM L0003409     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003410     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003411     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003412     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003413     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003414     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003415     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003416     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003417     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003418     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003419     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003420     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003421     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003422     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003423     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003424     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003425     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003426     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003427     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003428     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003429     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003430     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003431     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003432     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003433     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003434     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003435     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003436     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003437     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003438     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003439     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003440     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003441     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003442     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003443     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003444     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003445     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003446     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003447     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003448     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003449     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003450     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003451     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003452     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003453     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003454     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003455     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003456     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003457     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003458     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003459     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003460     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003461     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003462     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003463     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003464     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003465     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003466     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003467     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003468     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003469     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003470     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003471     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003472     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003473     0.0000001085      3.49      4.00      3.25
SRCPARAM L0003474     0.0000001085      3.49      4.00      3.25
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   SRCPARAM L0003475     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003476     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003477     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003478     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003479     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003480     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003481     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003482     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003483     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003484     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003485     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003486     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003487     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003488     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003489     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003490     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003491     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003492     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003493     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003494     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003495     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003496     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003497     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003498     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003499     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003500     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003501     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003502     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003503     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003504     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003505     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003506     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003507     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003508     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003509     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003510     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003511     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003512     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003513     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003514     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003515     0.0000001085      3.49      4.00      3.25
   SRCPARAM L0003516     0.0000001085      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE35
   SRCPARAM L0003517     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003518     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003519     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003520     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003521     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003522     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003523     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003524     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003525     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003526     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003527     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003528     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003529     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003530     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003531     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003532     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003533     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003534     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003535     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003536     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003537     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003538     0.0000001079      3.49      4.00      3.25
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   SRCPARAM L0003539     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003540     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003541     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003542     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003543     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003544     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003545     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003546     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003547     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003548     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003549     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003550     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003551     0.0000001079      3.49      4.00      3.25
   SRCPARAM L0003552     0.0000001079      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE36
   SRCPARAM L0003553     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003554     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003555     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003556     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003557     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003558     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003559     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003560     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003561     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003562     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003563     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003564     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003565     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003566     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003567     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003568     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003569     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003570     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003571     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003572     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003573     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003574     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003575     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003576     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003577     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003578     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003579     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003580     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003581     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003582     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003583     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003584     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003585     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003586     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003587     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003588     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003589     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003590     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003591     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003592     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003593     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003594     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003595     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003596     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003597     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003598     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003599     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003600     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003601     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003602     0.0000001083      3.49      4.00      3.25
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   SRCPARAM L0003603     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003604     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003605     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003606     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003607     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003608     0.0000001083      3.49      4.00      3.25
   SRCPARAM L0003609     0.0000001083      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE37
   SRCPARAM L0003610     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003611     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003612     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003613     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003614     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003615     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003616     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003617     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003618     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003619     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003620     0.0000001874      3.49      4.00      3.25
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SRCPARAM L0003910     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003911     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003912     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003913     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003914     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003915     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003916     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003917     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003918     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003919     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003920     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003921     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003922     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003923     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003924     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003925     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003926     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003927     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003928     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003929     0.0000001874      3.49      4.00      3.25
SRCPARAM L0003930     0.0000001874      3.49      4.00      3.25
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   SRCPARAM L0003931     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003932     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003933     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003934     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003935     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003936     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003937     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003938     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003939     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003940     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003941     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003942     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003943     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003944     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003945     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003946     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003947     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003948     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003949     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003950     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003951     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003952     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003953     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003954     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003955     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003956     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003957     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003958     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003959     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003960     0.0000001874      3.49      4.00      3.25
   SRCPARAM L0003961     0.0000001874      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE38
   SRCPARAM L0003962     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003963     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003964     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003965     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003966     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003967     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003968     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003969     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003970     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003971     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003972     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003973     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003974     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003975     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003976     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003977     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003978     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003979     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003980     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003981     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003982     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003983     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003984     0.0000003098      3.49      6.51      3.25
   SRCPARAM L0003985     0.0000003098      3.49      6.51      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE39
   SRCPARAM L0003986     0.0000006451      3.49      6.51      3.25
   SRCPARAM L0003987     0.0000006451      3.49      6.51      3.25
   SRCPARAM L0003988     0.0000006451      3.49      6.51      3.25
   SRCPARAM L0003989     0.0000006451      3.49      6.51      3.25
   SRCPARAM L0003990     0.0000006451      3.49      6.51      3.25
   SRCPARAM L0003991     0.0000006451      3.49      6.51      3.25
   SRCPARAM L0003992     0.0000006451      3.49      6.51      3.25
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** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE40
   SRCPARAM L0003993     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0003994     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0003995     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0003996     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0003997     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0003998     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0003999     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004000     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004001     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004002     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004003     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004004     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004005     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004006     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004007     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004008     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004009     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004010     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004011     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004012     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004013     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004014     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004015     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004016     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004017     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004018     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004019     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004020     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004021     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004022     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004023     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004024     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004025     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004026     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004027     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004028     0.0000009405      3.49      6.51      3.25
   SRCPARAM L0004029     0.0000009405      3.49      6.51      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE41
   SRCPARAM L0004081     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004082     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004083     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004084     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004085     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004086     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004087     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004088     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004089     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004090     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004091     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004092     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004093     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004094     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004095     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004096     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004097     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004098     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004099     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004100     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004101     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004102     0.00000004674      3.49      4.00      3.25
   SRCPARAM L0004103     0.00000004674      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE42
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   SRCPARAM L0004044     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004045     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004046     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004047     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004048     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004049     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004050     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004051     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004052     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004053     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004054     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004055     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004056     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004057     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004058     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004059     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004060     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004061     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004062     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004063     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004064     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004065     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004066     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004067     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004068     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004069     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004070     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004071     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004072     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004073     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004074     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004075     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004076     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004077     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004078     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004079     0.000001071      3.49      6.51      3.25
   SRCPARAM L0004080     0.000001071      3.49      6.51      3.25
** ------------------------------------------------------------------
   SRCPARAM STCK1        0.0088198516     3.550   728.550     54.78      0.13
   SRCPARAM STCK2        0.0088198516     3.550   728.550     54.78      0.13
   SRCPARAM STCK3        0.0088198516     3.550   728.550     54.78      0.13
   SRCPARAM STCK4        0.0088198516     3.550   728.550     54.78      0.13
   SRCPARAM STCK5        0.0088198516     3.550   728.550     54.78      0.13
   SRCPARAM STCK6        0.0088198516     3.550   728.550     54.78      0.13
   SRCPARAM STCK7        0.0239395973     6.070   784.000     87.68      0.19
   SRCPARAM STCK8        0.0088198516     3.550   728.550     54.78      0.13
   SRCPARAM STCK9        0.0088198516     3.550   728.550     54.78      0.13

** Building Downwash **
   BUILDHGT STCK1           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK1           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK1           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK1           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK1           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK1           15.24    15.24    15.24    15.24    15.24    15.24

   BUILDHGT STCK2           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK2           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK2           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK2           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK2           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK2           15.24    15.24    15.24    15.24    15.24    15.24

   BUILDHGT STCK3           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK3           15.24    15.24    15.24    15.24    15.24    15.24
   BUILDHGT STCK3           15.24    15.24    15.24    15.24    15.24    15.24
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BUILDHGT STCK3	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK3	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK3	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK4	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK4	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK4	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK4	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK4	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK4	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK5	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK5	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK5	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK5	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK5	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK5	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK6	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK6	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK6	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK6	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK6	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK6	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK7	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK7	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK7	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK7	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK7	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK7	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK8	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK8	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK8	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK8	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK8	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK8	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK9	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK9	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK9	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK9	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK9	15.24	15.24	15.24	15.24	15.24	15.24
BUILDHGT STCK9	15.24	15.24	15.24	15.24	15.24	15.24
BUILDWID STCK1	541.93	555.18	551.56	531.19	494.67	443.12
BUILDWID STCK1	378.11	301.61	215.95	143.84	235.12	319.25
BUILDWID STCK1	393.69	456.16	504.77	538.05	554.98	555.04
BUILDWID STCK1	541.93	555.18	551.56	531.19	494.67	443.12
BUILDWID STCK1	378.11	301.61	215.95	143.84	235.12	319.25
BUILDWID STCK1	393.69	456.16	504.77	538.05	554.98	555.04
BUILDWID STCK2	269.94	321.16	362.63	393.08	411.59	417.59
BUILDWID STCK2	410.90	391.73	361.70	392.21	410.81	416.92
BUILDWID STCK2	410.37	391.34	360.43	318.56	267.02	210.51
BUILDWID STCK2	269.94	321.16	362.63	393.08	411.59	417.59
BUILDWID STCK2	410.90	391.73	361.70	392.21	410.81	416.92
BUILDWID STCK2	410.37	391.34	360.43	318.56	267.02	210.51
BUILDWID STCK3	271.42	314.61	348.24	371.29	383.06	383.19
BUILDWID STCK3	381.42	368.32	345.36	376.66	397.40	406.07
BUILDWID STCK3	402.41	386.51	358.87	320.33	272.05	220.87
BUILDWID STCK3	271.42	314.61	348.24	371.29	383.06	383.19
BUILDWID STCK3	381.42	368.32	345.36	376.66	397.40	406.07
BUILDWID STCK3	402.41	386.51	358.87	320.33	272.05	220.87

BUILDWID STCK4	259.83	319.11	368.70	407.08	433.09	445.94
BUILDWID STCK4	445.25	431.02	405.27	432.02	445.65	445.73
BUILDWID STCK4	432.27	405.68	366.76	316.69	257.01	192.66
BUILDWID STCK4	259.83	319.11	368.70	407.08	433.09	445.94
BUILDWID STCK4	445.25	431.02	405.27	432.02	445.65	445.73
BUILDWID STCK4	432.27	405.68	366.76	316.69	257.01	192.66
BUILDWID STCK5	493.62	491.37	474.19	442.60	397.57	340.57
BUILDWID STCK5	273.44	198.00	137.01	217.88	292.13	357.51
BUILDWID STCK5	412.02	454.02	482.21	495.76	494.24	480.87
BUILDWID STCK5	493.62	491.37	474.19	442.60	397.57	340.57
BUILDWID STCK5	273.44	198.00	137.01	217.88	292.13	357.51
BUILDWID STCK5	412.02	454.02	482.21	495.76	494.24	480.87
BUILDWID STCK6	493.62	491.37	474.19	344.62	350.58	345.88
BUILDWID STCK6	330.67	305.42	273.50	217.88	292.13	357.51
BUILDWID STCK6	412.02	454.02	482.21	495.76	494.24	480.87
BUILDWID STCK6	493.62	491.37	474.19	344.62	350.58	345.88
BUILDWID STCK6	330.67	305.42	273.50	217.88	292.13	357.51
BUILDWID STCK6	412.02	345.11	328.15	301.22	265.14	223.11
BUILDWID STCK7	541.93	555.18	551.56	531.19	494.67	443.12
BUILDWID STCK7	378.11	301.61	215.95	143.84	235.12	319.25
BUILDWID STCK7	393.69	456.16	504.77	538.05	554.98	555.04
BUILDWID STCK7	541.93	555.18	551.56	531.19	494.67	443.12
BUILDWID STCK7	378.11	301.61	215.95	143.84	235.12	319.25
BUILDWID STCK7	393.69	456.16	504.77	538.05	554.98	555.04
BUILDWID STCK8	89.16	102.95	113.61	120.81	124.35	124.11
BUILDWID STCK8	125.60	127.50	126.11	136.81	124.62	120.67
BUILDWID STCK8	113.05	102.00	87.84	71.02	93.45	72.86
BUILDWID STCK8	89.16	102.95	113.61	120.81	124.35	124.11
BUILDWID STCK8	125.60	127.50	126.11	136.81	143.36	145.54
BUILDWID STCK8	143.31	136.72	125.98	111.41	93.45	72.86
BUILDWID STCK9	139.86	180.26	215.19	243.58	265.37	284.19
BUILDWID STCK9	294.37	295.61	289.37	300.85	303.18	296.30
BUILDWID STCK9	280.42	256.02	223.84	184.86	140.26	95.20
BUILDWID STCK9	139.86	180.26	215.19	243.58	265.37	284.19
BUILDWID STCK9	294.37	295.61	289.37	300.85	303.18	296.30
BUILDWID STCK9	280.42	256.02	223.84	184.86	140.26	95.20
BUILDLEN STCK1	143.84	235.12	319.25	393.69	456.16	504.77
BUILDLEN STCK1	538.05	554.98	555.04	541.93	555.18	551.56
BUILDLEN STCK1	531.19	494.67	443.12	378.11	301.61	215.95
BUILDLEN STCK1	143.84	235.12	319.25	393.69	456.16	504.77
BUILDLEN STCK1	538.05	554.98	555.04	541.93	555.18	551.56
BUILDLEN STCK1	531.19	494.67	443.12	378.11	301.61	215.95
BUILDLEN STCK2	392.21	410.81	416.92	410.37	391.34	360.43
BUILDLEN STCK2	318.56	267.02	210.51	269.94	321.16	362.63
BUILDLEN STCK2	393.08	411.59	417.59	410.90	391.73	361.70
BUILDLEN STCK2	392.21	410.81	416.92	410.37	391.34	360.43
BUILDLEN STCK2	318.56	267.02	210.51	269.94	321.16	362.63
BUILDLEN STCK2	393.08	411.59	417.59	410.90	391.73	361.70
BUILDLEN STCK3	376.66	397.40	406.07	402.41	386.51	358.87
BUILDLEN STCK3	320.33	272.05	220.87	271.42	314.61	348.24
BUILDLEN STCK3	371.29	383.06	383.19	381.42	368.32	345.36
BUILDLEN STCK3	376.66	397.40	406.07	402.41	386.51	358.87
BUILDLEN STCK3	320.33	272.05	220.87	271.42	314.61	348.24
BUILDLEN STCK3	371.29	383.06	383.19	381.42	368.32	345.36
BUILDLEN STCK4	432.02	445.65	445.73	432.27	405.68	366.76
BUILDLEN STCK4	316.69	257.01	192.66	259.83	319.11	368.70

BUILDLEN	STCK4	407.08	433.09	445.94	445.25	431.02	405.27
BUILDLEN	STCK4	432.02	445.65	445.73	432.27	405.68	366.76
BUILDLEN	STCK4	316.69	257.01	192.66	259.83	319.11	368.70
BUILDLEN	STCK4	407.08	433.09	445.94	445.25	431.02	405.27
BUILDLEN	STCK5	217.88	292.13	357.51	412.02	454.02	482.21
BUILDLEN	STCK5	495.76	494.24	480.87	493.62	491.37	474.19
BUILDLEN	STCK5	442.60	397.57	340.57	273.44	198.00	137.01
BUILDLEN	STCK5	217.88	292.13	357.51	412.02	454.02	482.21
BUILDLEN	STCK5	495.76	494.24	480.87	493.62	491.37	474.19
BUILDLEN	STCK5	442.60	397.57	340.57	273.44	198.00	137.01
BUILDLEN	STCK6	217.88	292.13	357.51	351.58	345.11	328.15
BUILDLEN	STCK6	301.22	265.15	223.11	493.62	491.37	474.19
BUILDLEN	STCK6	442.60	397.57	340.57	273.44	198.00	137.01
BUILDLEN	STCK6	217.88	292.13	357.51	351.58	345.11	328.15
BUILDLEN	STCK6	301.22	265.15	223.11	493.62	491.37	474.19
BUILDLEN	STCK6	442.60	350.58	345.88	330.67	305.42	273.50
BUILDLEN	STCK7	143.84	235.12	319.25	393.69	456.16	504.77
BUILDLEN	STCK7	538.05	554.98	555.04	541.93	555.18	551.56
BUILDLEN	STCK7	531.19	494.67	443.12	378.11	301.61	215.95
BUILDLEN	STCK7	143.84	235.12	319.25	393.69	456.16	504.77
BUILDLEN	STCK7	538.05	554.98	555.04	541.93	555.18	551.56
BUILDLEN	STCK7	531.19	494.67	443.12	378.11	301.61	215.95
BUILDLEN	STCK8	136.81	143.36	145.54	143.31	136.72	125.98
BUILDLEN	STCK8	111.41	93.45	72.86	89.16	71.02	87.84
BUILDLEN	STCK8	102.00	113.05	120.67	124.62	127.50	126.11
BUILDLEN	STCK8	136.81	143.36	145.54	143.31	136.72	125.98
BUILDLEN	STCK8	111.41	93.45	72.86	89.16	102.95	113.61
BUILDLEN	STCK8	120.81	124.35	124.11	125.60	127.50	126.11
BUILDLEN	STCK9	300.85	303.18	296.30	280.42	256.02	223.84
BUILDLEN	STCK9	184.86	140.26	95.20	139.86	180.26	215.19
BUILDLEN	STCK9	243.58	265.37	284.19	294.37	295.61	289.37
BUILDLEN	STCK9	300.85	303.18	296.30	280.42	256.02	223.84
BUILDLEN	STCK9	184.86	140.26	95.20	139.86	180.26	215.19
BUILDLEN	STCK9	243.58	265.37	284.19	294.37	295.61	289.37
XBADJ	STCK1	-129.79	-128.00	-122.32	-112.92	-100.09	-84.22
XBADJ	STCK1	-65.79	-45.37	-23.56	-4.20	-4.79	-5.23
XBADJ	STCK1	-5.51	-5.63	-5.58	-5.35	-4.97	-4.43
XBADJ	STCK1	-14.05	-107.12	-196.93	-280.77	-356.07	-420.55
XBADJ	STCK1	-472.25	-509.61	-531.48	-537.73	-550.39	-546.33
XBADJ	STCK1	-525.67	-489.04	-437.55	-372.76	-296.65	-211.52
XBADJ	STCK2	-385.94	-403.30	-408.41	-401.10	-381.61	-350.53
XBADJ	STCK2	-308.79	-257.68	-200.83	-198.53	-190.20	-176.08
XBADJ	STCK2	-156.62	-132.40	-104.16	-72.75	-39.13	-4.85
XBADJ	STCK2	-6.27	-7.51	-8.52	-9.26	-9.73	-9.90
XBADJ	STCK2	-9.77	-9.34	-9.68	-71.41	-130.97	-186.55
XBADJ	STCK2	-236.46	-279.19	-313.43	-338.15	-352.60	-356.85
XBADJ	STCK3	-371.32	-391.51	-399.81	-395.95	-380.07	-352.64
XBADJ	STCK3	-314.50	-266.80	-213.67	-210.12	-201.07	-185.92
XBADJ	STCK3	-165.11	-139.29	-109.24	-75.87	-40.19	-4.63
XBADJ	STCK3	-5.34	-5.90	-6.27	-6.45	-6.44	-6.23
XBADJ	STCK3	-5.83	-5.26	-7.20	-61.30	-113.53	-162.32
XBADJ	STCK3	-206.17	-243.76	-273.95	-305.55	-328.13	-340.73
XBADJ	STCK4	-425.02	-437.91	-437.49	-423.78	-397.19	-358.53
XBADJ	STCK4	-308.98	-250.05	-185.61	-183.75	-176.31	-163.51
XBADJ	STCK4	-145.74	-123.54	-97.59	-68.68	-37.68	-6.05
XBADJ	STCK4	-7.00	-7.74	-8.24	-8.49	-8.49	-8.22
XBADJ	STCK4	-7.71	-6.96	-7.05	-76.08	-142.81	-205.19

XBADJ	STCK4	-261.34	-309.55	-348.35	-376.57	-393.35	-399.22
XBADJ	STCK5	-208.00	-279.96	-343.40	-396.42	-437.39	-465.06
XBADJ	STCK5	-478.61	-477.62	-464.74	-455.75	-432.92	-396.93
XBADJ	STCK5	-348.88	-290.23	-222.89	-148.98	-70.54	-7.28
XBADJ	STCK5	-9.88	-12.18	-14.10	-15.60	-16.63	-17.15
XBADJ	STCK5	-17.15	-16.63	-16.13	-37.87	-58.45	-77.26
XBADJ	STCK5	-93.72	-107.33	-117.69	-124.46	-127.46	-129.73
XBADJ	STCK6	-18.07	-96.52	-172.03	-340.46	-333.57	-316.54
XBADJ	STCK6	-289.89	-254.44	-212.30	-476.52	-486.35	-481.41
XBADJ	STCK6	-461.83	-428.23	-381.73	-323.84	-256.12	-197.93
XBADJ	STCK6	-199.81	-195.61	-185.48	-11.11	-11.54	-11.61
XBADJ	STCK6	-11.33	-10.71	-10.81	-17.10	-5.02	7.21
XBADJ	STCK6	19.23	-210.82	-235.88	-253.78	-263.96	-267.18
XBADJ	STCK7	-127.90	-128.51	-125.23	-118.14	-107.46	-93.51
XBADJ	STCK7	-76.73	-57.61	-36.74	-17.91	-18.62	-18.77
XBADJ	STCK7	-18.34	-17.36	-15.85	-13.85	-11.44	-8.68
XBADJ	STCK7	-15.94	-106.60	-194.03	-275.55	-348.70	-411.26
XBADJ	STCK7	-461.32	-497.37	-518.30	-524.01	-536.56	-532.79
XBADJ	STCK7	-512.84	-477.31	-427.28	-364.26	-290.17	-207.27
XBADJ	STCK8	-132.91	-139.05	-140.97	-138.61	-132.03	-121.44
XBADJ	STCK8	-107.16	-89.63	-69.57	-68.83	-119.60	-138.61
XBADJ	STCK8	-153.42	-163.56	-168.73	-168.78	-14.98	-3.38
XBADJ	STCK8	-3.90	-4.30	-4.57	-4.70	-4.69	-4.54
XBADJ	STCK8	-4.25	-3.83	-3.29	-20.32	-36.74	-52.04
XBADJ	STCK8	-65.76	-77.48	-86.84	-99.08	-112.52	-122.73
XBADJ	STCK9	-293.99	-295.48	-287.99	-271.75	-247.25	-215.24
XBADJ	STCK9	-176.69	-132.77	-87.10	-82.90	-76.18	-67.15
XBADJ	STCK9	-56.07	-44.10	-35.87	-26.55	-16.42	-5.80
XBADJ	STCK9	-6.85	-7.70	-8.31	-8.67	-8.77	-8.60
XBADJ	STCK9	-8.17	-7.49	-8.10	-56.96	-104.08	-148.04
XBADJ	STCK9	-187.51	-221.28	-248.32	-267.82	-279.18	-283.57
YBADJ	STCK1	-266.77	-272.80	-270.55	-260.08	-241.70	-215.99
YBADJ	STCK1	-183.70	-145.84	-103.54	-57.87	-10.44	37.31
YBADJ	STCK1	83.92	127.99	168.16	203.23	232.12	253.96
YBADJ	STCK1	266.77	272.80	270.55	260.08	241.70	215.99
YBADJ	STCK1	183.70	145.84	103.54	57.87	10.44	-37.31
YBADJ	STCK1	-83.92	-127.99	-168.16	-203.23	-232.12	-253.96
YBADJ	STCK2	63.56	29.61	-5.23	-39.92	-73.39	-104.64
YBADJ	STCK2	-132.70	-156.73	-176.00	-189.83	-197.89	-199.95
YBADJ	STCK2	-195.92	-185.94	-170.32	-149.51	-124.17	-95.57
YBADJ	STCK2	-63.56	-29.61	5.23	39.92	73.39	104.64
YBADJ	STCK2	132.70	156.73	176.00	189.83	197.89	199.95
YBADJ	STCK2	195.92	185.94	170.32	149.51	124.17	95.57
YBADJ	STCK3	74.41	43.77	11.80	-20.53	-52.24	-82.35
YBADJ	STCK3	-114.84	-143.97	-168.05	-182.99	-192.81	-196.77
YBADJ	STCK3	-194.75	-186.82	-173.21	-154.33	-130.77	-103.23
YBADJ	STCK3	-74.41	-43.77	-11.80	20.53	52.24	82.35
YBADJ	STCK3	114.84	143.97	168.05	182.99	192.81	196.77
YBADJ	STCK3	194.75	186.82	173.21	154.33	130.77	103.23
YBADJ	STCK4	53.83	16.75	-20.84	-57.80	-93.00	-125.38
YBADJ	STCK4	-153.94	-177.83	-196.58	-209.01	-215.09	-214.63
YBADJ	STCK4	-207.64	-194.35	-175.16	-150.64	-121.54	-89.28
YBADJ	STCK4	-53.83	-16.75	20.84	57.80	93.00	125.38
YBADJ	STCK4	153.94	177.83	196.59	209.01	215.09	214.63
YBADJ	STCK4	207.64	194.35	175.16	150.64	121.54	89.28
YBADJ	STCK5	208.94	187.23	159.84	127.58	91.45	52.60

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   YBADJ    STCK5          12.26   -28.46   -61.23   -99.06  -133.89  -164.65
   YBADJ    STCK5        -190.41  -210.38  -223.96  -230.73  -230.49  -224.30
   YBADJ    STCK5        -208.94  -187.23  -159.84  -127.58   -91.45   -52.60
   YBADJ    STCK5         -12.26    28.46    61.23    99.06   133.89   164.65
   YBADJ    STCK5         190.41   210.38   223.96   230.73   230.49   224.30

   YBADJ    STCK6         229.71   240.67   244.31    -7.03   -35.53   -62.94
   YBADJ    STCK6         -88.44  -111.26  -130.43    90.87    49.55     6.72
   YBADJ    STCK6         -36.31   -78.23  -117.78  -153.75  -185.05  -211.78
   YBADJ    STCK6        -229.71  -240.67  -244.31     7.03    35.53    62.94
   YBADJ    STCK6          88.44   111.26   130.43   -90.87   -49.55    -6.72
   YBADJ    STCK6          36.31   161.01   152.46   139.28   121.86   100.74

   YBADJ    STCK7        -253.05  -258.97  -257.01  -247.25  -229.98  -205.71
   YBADJ    STCK7        -175.20  -139.37   -99.29   -55.98   -10.96    34.40
   YBADJ    STCK7          78.71   120.62   158.87   192.30   219.88   240.78
   YBADJ    STCK7         253.05   258.97   257.01   247.25   229.98   205.71
   YBADJ    STCK7         175.20   139.37    99.29    55.98    10.96   -34.40
   YBADJ    STCK7         -78.71  -120.62  -158.87  -192.30  -219.88  -240.78

   YBADJ    STCK8          24.26    14.73     4.76    -5.35   -15.30   -24.79
   YBADJ    STCK8         -36.27   -48.77   -59.68   -64.51    68.43    52.79
   YBADJ    STCK8          35.54    17.22    -1.63   -20.43   -42.90   -33.14
   YBADJ    STCK8         -24.26   -14.73    -4.76     5.35    15.30    24.79
   YBADJ    STCK8          36.27    48.77    59.68    64.51    67.38    68.20
   YBADJ    STCK8          66.95    63.67    58.45    51.46    42.90    33.14

   YBADJ    STCK9          12.97   -13.95   -40.45   -65.72   -88.59  -106.23
   YBADJ    STCK9        -120.64  -131.38  -138.89  -143.57  -143.89  -139.84
   YBADJ    STCK9        -131.54  -119.24  -103.32   -84.26   -62.64   -39.50
   YBADJ    STCK9         -12.97    13.95    40.45    65.72    88.59   106.23
   YBADJ    STCK9         120.64   131.38   138.89   143.57   143.89   139.84
   YBADJ    STCK9         131.54   119.24   103.32    84.26    62.64    39.50

   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT STCK2        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
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   SRCGROUP ALL
SO FINISHED
**
**********************************
** AERMOD Receptor Pathway
**********************************
**
**
RE STARTING
   INCLUDED "15218 Ops HRA.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE RDLD_V9_ADJU\RDLD_v9.SFC
   PROFFILE RDLD_V9_ADJU\RDLD_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   SITEDATA 99999 2012
   PROFBASE 481.0 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "15218 OPS HRA.AD\PE00GALL.PLT" 31
   SUMMFILE "15218 Ops HRA.sum"
OU FINISHED
```

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

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

A Total of            0 Fatal Error Message(s)
A Total of           11 Warning Message(s)
A Total of            0 Informational Message(s)


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


   ********   WARNING MESSAGES   ********
SO W320    4988        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320    4989        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320    4990        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320    4991        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320    4992        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320    4993        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320    4994        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320    4995        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320    4996        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
ME W186    5531       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used         0.50
ME W187    5531       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

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

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for  2058 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: DPM

 **Model Calculates PERIOD Averages Only
```

**This Run Includes: 2058 Source(s); 1 Source Group(s); and 181 Receptor(s)

with: 9 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 2049 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 481.00 ; 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 = 9.8 MB of RAM.

**Input Runstream File:
aermod.inp
**Output Print File:
aermod.out

**Detailed Error/Message File: 15218 Ops
HRA.err
**File for Summary of Results: 15218 Ops
HRA.sum

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER STACK PART. CATS.	EMISSION RATE (GRAMS/SEC)	BLDG STACK EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)
STCK1	0	0.88199E-02	YES	YES	NO	HRDOW7	493621.4	3761151.3	682.6	3.55	728.55	54.78	0.13

STCK2 0 0.88199E-02 493019.3 3761472.4 685.8 3.55 728.55 54.78
0.13 YES YES NO HRDOW7
STCK3 0 0.88199E-02 493330.4 3761458.3 684.4 3.55 728.55 54.78
0.13 YES YES NO HRDOW7
STCK4 0 0.88199E-02 492725.9 3761416.6 686.0 3.55 728.55 54.78
0.13 YES YES NO HRDOW7
STCK5 0 0.88199E-02 492428.1 3761505.7 679.5 3.55 728.55 54.78
0.13 YES YES NO HRDOW7
STCK6 0 0.88199E-02 492415.6 3761315.0 688.9 3.55 728.55 54.78
0.13 YES YES NO HRDOW7
STCK7 0 0.23940E-01 493634.5 3761147.0 686.4 6.07 784.00 87.68
0.19 YES YES NO HRDOW7
STCK8 0 0.88199E-02 493618.6 3761440.0 687.9 3.55 728.55 54.78
0.13 YES YES NO HRDOW7
STCK9 0 0.88199E-02 493516.2 3761604.8 708.6 3.55 728.55 54.78
0.13 YES YES NO HRDOW7

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
L0002041	0	0.18876E-04	493635.1	3761022.2	695.8	3.49	4.00	3.25	YES NO
L0002042	0	0.18876E-04	493643.6	3761020.9	695.5	3.49	4.00	3.25	YES NO
L0002043	0	0.18876E-04	493652.1	3761019.6	695.1	3.49	4.00	3.25	YES NO
L0002044	0	0.18876E-04	493660.6	3761018.3	694.7	3.49	4.00	3.25	YES NO
L0002045	0	0.18876E-04	493669.1	3761017.0	693.7	3.49	4.00	3.25	YES NO
L0002046	0	0.18876E-04	493677.6	3761015.7	692.7	3.49	4.00	3.25	YES NO
L0002047	0	0.18876E-04	493686.1	3761014.4	691.6	3.49	4.00	3.25	YES NO
L0002048	0	0.18876E-04	493694.5	3761013.1	691.3	3.49	4.00	3.25	YES NO
L0002049	0	0.18876E-04	493703.0	3761011.8	691.9	3.49	4.00	3.25	YES NO
L0002050	0	0.18876E-04	493711.5	3761010.5	692.5	3.49	4.00	3.25	YES NO
L0002051	0	0.18876E-04	493720.0	3761009.2	693.1	3.49	4.00	3.25	YES NO
L0002052	0	0.18876E-04	493728.5	3761007.9	692.9	3.49	4.00	3.25	YES NO
L0002053	0	0.18876E-04	493737.0	3761006.6	692.7	3.49	4.00	3.25	YES NO
L0002054	0	0.18876E-04	493745.5	3761005.3	692.6	3.49	4.00	3.25	YES NO
L0002055	0	0.18876E-04	493754.0	3761004.0	691.9	3.49	4.00	3.25	YES NO

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 L0002056         0   0.18876E-04  493762.5 3761002.7   690.4     3.49     4.00     3.25
 YES                    NO
 L0002057         0   0.18876E-04  493771.0 3761001.4   688.8     3.49     4.00     3.25
 YES                    NO
 L0002058         0   0.18876E-04  493779.5 3761000.1   687.1     3.49     4.00     3.25
 YES                    NO
 L0002059         0   0.18876E-04  493787.9 3760998.8   685.6     3.49     4.00     3.25
 YES                    NO
 L0002060         0   0.18876E-04  493796.4 3760997.5   684.1     3.49     4.00     3.25
 YES                    NO
 L0002061         0   0.18876E-04  493804.9 3760996.2   682.7     3.49     4.00     3.25
 YES                    NO
 L0002062         0   0.18876E-04  493813.4 3760994.9   681.9     3.49     4.00     3.25
 YES                    NO
 L0002063         0   0.18876E-04  493821.9 3760993.6   681.6     3.49     4.00     3.25
 YES                    NO
 L0002064         0   0.18876E-04  493830.4 3760992.3   681.3     3.49     4.00     3.25
 YES                    NO
 L0002065         0   0.18876E-04  493838.9 3760991.0   681.0     3.49     4.00     3.25
 YES                    NO
 L0002066         0   0.18876E-04  493888.4 3760983.4   683.9     3.49     4.00     3.25
 YES                    NO
 L0002067         0   0.18876E-04  493896.9 3760982.0   684.3     3.49     4.00     3.25
 YES                    NO
 L0002068         0   0.18876E-04  493905.4 3760980.7   684.6     3.49     4.00     3.25
 YES                    NO
 L0002069         0   0.18876E-04  493913.9 3760979.3   684.7     3.49     4.00     3.25
 YES                    NO
 L0002070         0   0.18876E-04  493922.4 3760978.0   684.8     3.49     4.00     3.25
 YES                    NO
 L0002071         0   0.18876E-04  493930.8 3760976.6   684.8     3.49     4.00     3.25
 YES                    NO
 L0002072         0   0.18876E-04  493939.3 3760975.3   685.2     3.49     4.00     3.25
 YES                    NO
 L0002073         0   0.18876E-04  493947.8 3760973.9   685.7     3.49     4.00     3.25
 YES                    NO
 L0002074         0   0.18876E-04  493956.3 3760972.5   686.3     3.49     4.00     3.25
 YES                    NO
 L0002075         0   0.18876E-04  493964.8 3760971.2   686.9     3.49     4.00     3.25
 YES                    NO
 L0002076         0   0.18876E-04  493973.2 3760969.8   687.6     3.49     4.00     3.25
 YES                    NO
 L0002077         0   0.18876E-04  493981.7 3760968.5   688.4     3.49     4.00     3.25
 YES                    NO
 L0002078         0   0.18876E-04  493990.2 3760967.1   689.1     3.49     4.00     3.25
 YES                    NO
 L0002079         0   0.18876E-04  493998.7 3760965.8   689.8     3.49     4.00     3.25
 YES                    NO
 L0002080         0   0.18876E-04  494007.2 3760964.4   690.6     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

                      PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

L0002081	0	0.18876E-04	494015.7	3760963.1	691.5	3.49	4.00	3.25
YES		NO						
L0002082	0	0.18876E-04	494024.1	3760961.7	692.0	3.49	4.00	3.25
YES		NO						
L0002083	0	0.18876E-04	494032.6	3760960.4	692.2	3.49	4.00	3.25
YES		NO						
L0002084	0	0.18876E-04	494041.1	3760959.0	692.3	3.49	4.00	3.25
YES		NO						
L0002085	0	0.18876E-04	494049.6	3760957.6	692.6	3.49	4.00	3.25
YES		NO						
L0002086	0	0.18876E-04	494058.1	3760956.3	692.9	3.49	4.00	3.25
YES		NO						
L0002087	0	0.18876E-04	494066.6	3760954.9	693.3	3.49	4.00	3.25
YES		NO						
L0002088	0	0.18876E-04	494075.0	3760953.6	693.7	3.49	4.00	3.25
YES		NO						
L0002089	0	0.18876E-04	494083.5	3760952.2	694.0	3.49	4.00	3.25
YES		NO						
L0002090	0	0.18876E-04	494092.0	3760950.9	694.2	3.49	4.00	3.25
YES		NO						
L0002091	0	0.24850E-06	493627.8	3760985.4	694.6	3.49	4.00	3.25
YES		NO						
L0002092	0	0.24850E-06	493636.3	3760984.1	692.9	3.49	4.00	3.25
YES		NO						
L0002093	0	0.24850E-06	493644.8	3760982.8	690.9	3.49	4.00	3.25
YES		NO						
L0002094	0	0.24850E-06	493653.3	3760981.5	688.7	3.49	4.00	3.25
YES		NO						
L0002095	0	0.24850E-06	493661.8	3760980.2	686.6	3.49	4.00	3.25
YES		NO						
L0002096	0	0.24850E-06	493670.2	3760978.9	685.8	3.49	4.00	3.25
YES		NO						
L0002097	0	0.24850E-06	493678.7	3760977.6	685.1	3.49	4.00	3.25
YES		NO						
L0002098	0	0.24850E-06	493687.2	3760976.3	684.5	3.49	4.00	3.25
YES		NO						
L0002099	0	0.24850E-06	493695.7	3760975.0	684.4	3.49	4.00	3.25
YES		NO						
L0002100	0	0.24850E-06	493704.2	3760973.7	684.5	3.49	4.00	3.25
YES		NO						
L0002101	0	0.24850E-06	493712.7	3760972.4	684.4	3.49	4.00	3.25
YES		NO						
L0002102	0	0.24850E-06	493721.2	3760971.1	684.4	3.49	4.00	3.25
YES		NO						
L0002103	0	0.24850E-06	493729.7	3760969.8	684.8	3.49	4.00	3.25
YES		NO						
L0002104	0	0.24850E-06	493738.2	3760968.5	685.3	3.49	4.00	3.25
YES		NO						
L0002105	0	0.24850E-06	493746.7	3760967.2	685.8	3.49	4.00	3.25
YES		NO						
L0002106	0	0.24850E-06	493755.2	3760966.0	685.6	3.49	4.00	3.25
YES		NO						
L0002107	0	0.24850E-06	493763.7	3760964.7	685.0	3.49	4.00	3.25
YES		NO						
L0002108	0	0.24850E-06	493772.1	3760963.4	684.3	3.49	4.00	3.25
YES		NO						
L0002109	0	0.24850E-06	493780.6	3760962.1	683.7	3.49	4.00	3.25
YES		NO						
L0002110	0	0.24850E-06	493789.1	3760960.8	682.9	3.49	4.00	3.25
YES		NO						
L0002111	0	0.24850E-06	493797.6	3760959.5	682.1	3.49	4.00	3.25
YES		NO						

L0002112 0 0.24850E-06 493806.1 3760958.2 681.3 3.49 4.00 3.25
YES NO
L0002113 0 0.24850E-06 493814.6 3760956.9 681.0 3.49 4.00 3.25
YES NO
L0002114 0 0.24850E-06 493823.1 3760955.6 680.8 3.49 4.00 3.25
YES NO
L0002115 0 0.24850E-06 493831.6 3760954.3 680.7 3.49 4.00 3.25
YES NO
L0002116 0 0.24850E-06 493840.1 3760953.0 680.6 3.49 4.00 3.25
YES NO
L0002117 0 0.24850E-06 493848.6 3760951.7 680.7 3.49 4.00 3.25
YES NO
L0002118 0 0.24850E-06 493857.1 3760950.4 680.7 3.49 4.00 3.25
YES NO
L0002119 0 0.24850E-06 493865.6 3760949.1 680.8 3.49 4.00 3.25
YES NO
L0002120 0 0.24850E-06 493874.0 3760947.8 680.8 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
L0002121	0	0.24850E-06	493882.5	3760946.5	680.8	3.49	4.00	3.25	YES NO
L0002122	0	0.24850E-06	493891.0	3760945.2	680.8	3.49	4.00	3.25	YES NO
L0002123	0	0.24850E-06	493899.5	3760943.9	680.8	3.49	4.00	3.25	YES NO
L0002124	0	0.24850E-06	493908.0	3760942.6	680.8	3.49	4.00	3.25	YES NO
L0002125	0	0.24850E-06	493916.5	3760941.3	681.0	3.49	4.00	3.25	YES NO
L0002126	0	0.24850E-06	493925.0	3760940.0	681.1	3.49	4.00	3.25	YES NO
L0002127	0	0.24850E-06	493933.5	3760938.7	681.5	3.49	4.00	3.25	YES NO
L0002128	0	0.24850E-06	493942.0	3760937.4	682.2	3.49	4.00	3.25	YES NO
L0002129	0	0.24850E-06	493950.5	3760936.1	683.0	3.49	4.00	3.25	YES NO
L0002130	0	0.24850E-06	493959.0	3760934.8	683.9	3.49	4.00	3.25	YES NO
L0002131	0	0.24850E-06	493967.5	3760933.6	685.0	3.49	4.00	3.25	YES NO
L0002132	0	0.24850E-06	493976.0	3760932.3	686.1	3.49	4.00	3.25	YES NO
L0002133	0	0.24850E-06	493984.4	3760931.0	687.3	3.49	4.00	3.25	YES NO
L0002134	0	0.24850E-06	493992.9	3760929.7	688.7	3.49	4.00	3.25	YES NO

L0002135	0	0.24850E-06	494001.4	3760928.4	690.1	3.49	4.00	3.25
YES		NO						
L0002136	0	0.24850E-06	494009.9	3760927.1	691.5	3.49	4.00	3.25
YES		NO						
L0002137	0	0.24850E-06	494018.4	3760925.8	692.8	3.49	4.00	3.25
YES		NO						
L0002138	0	0.24850E-06	494026.9	3760924.5	693.4	3.49	4.00	3.25
YES		NO						
L0002139	0	0.24850E-06	494035.4	3760923.2	693.9	3.49	4.00	3.25
YES		NO						
L0002140	0	0.24850E-06	494043.9	3760921.9	694.2	3.49	4.00	3.25
YES		NO						
L0002141	0	0.24850E-06	494046.2	3760916.3	694.6	3.49	4.00	3.25
YES		NO						
L0002142	0	0.24850E-06	494044.6	3760907.8	694.9	3.49	4.00	3.25
YES		NO						
L0002143	0	0.24850E-06	494040.0	3760903.7	694.9	3.49	4.00	3.25
YES		NO						
L0002144	0	0.24850E-06	494031.5	3760905.0	694.9	3.49	4.00	3.25
YES		NO						
L0002145	0	0.24850E-06	494023.0	3760906.3	695.0	3.49	4.00	3.25
YES		NO						
L0002146	0	0.24850E-06	494014.5	3760907.6	694.4	3.49	4.00	3.25
YES		NO						
L0002147	0	0.24850E-06	494006.0	3760908.9	693.6	3.49	4.00	3.25
YES		NO						
L0002148	0	0.24850E-06	493997.5	3760910.2	692.8	3.49	4.00	3.25
YES		NO						
L0002149	0	0.24850E-06	493989.0	3760911.6	691.7	3.49	4.00	3.25
YES		NO						
L0002150	0	0.24850E-06	493980.6	3760912.9	689.7	3.49	4.00	3.25
YES		NO						
L0002151	0	0.24850E-06	493972.1	3760914.2	687.8	3.49	4.00	3.25
YES		NO						
L0002152	0	0.24850E-06	493963.6	3760915.5	686.0	3.49	4.00	3.25
YES		NO						
L0002153	0	0.24850E-06	493955.1	3760916.8	684.8	3.49	4.00	3.25
YES		NO						
L0002154	0	0.24850E-06	493946.6	3760918.1	683.8	3.49	4.00	3.25
YES		NO						
L0002155	0	0.24850E-06	493938.1	3760919.4	682.9	3.49	4.00	3.25
YES		NO						
L0002156	0	0.24850E-06	493929.6	3760920.8	682.0	3.49	4.00	3.25
YES		NO						
L0002157	0	0.24850E-06	493921.1	3760922.1	681.8	3.49	4.00	3.25
YES		NO						
L0002158	0	0.24850E-06	493912.6	3760923.4	681.5	3.49	4.00	3.25
YES		NO						
L0002159	0	0.24850E-06	493904.2	3760924.7	681.2	3.49	4.00	3.25
YES		NO						
L0002160	0	0.24850E-06	493895.7	3760926.0	680.9	3.49	4.00	3.25
YES		NO						

*** VOLUME SOURCE DATA ***

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

SOURCE ID	SCALAR CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	VARY BY
L0002161	0	0.24850E-06	493887.2	3760927.3	680.6	3.49	4.00	3.25	YES	NO
L0002162	0	0.24850E-06	493878.7	3760928.7	680.4	3.49	4.00	3.25	YES	NO
L0002163	0	0.24850E-06	493870.2	3760930.0	680.2	3.49	4.00	3.25	YES	NO
L0002164	0	0.24850E-06	493861.7	3760931.3	680.1	3.49	4.00	3.25	YES	NO
L0002165	0	0.24850E-06	493853.2	3760932.6	680.0	3.49	4.00	3.25	YES	NO
L0002166	0	0.24850E-06	493844.7	3760933.9	680.0	3.49	4.00	3.25	YES	NO
L0002167	0	0.24850E-06	493836.2	3760935.2	680.1	3.49	4.00	3.25	YES	NO
L0002168	0	0.24850E-06	493827.8	3760936.6	680.4	3.49	4.00	3.25	YES	NO
L0002169	0	0.24850E-06	493819.3	3760937.9	680.7	3.49	4.00	3.25	YES	NO
L0002170	0	0.24850E-06	493810.8	3760939.2	681.0	3.49	4.00	3.25	YES	NO
L0002171	0	0.24850E-06	493802.3	3760940.5	681.3	3.49	4.00	3.25	YES	NO
L0002172	0	0.24850E-06	493793.8	3760941.8	681.8	3.49	4.00	3.25	YES	NO
L0002173	0	0.24850E-06	493785.3	3760943.1	682.2	3.49	4.00	3.25	YES	NO
L0002174	0	0.24850E-06	493776.8	3760944.4	682.7	3.49	4.00	3.25	YES	NO
L0002175	0	0.24850E-06	493768.3	3760945.8	683.2	3.49	4.00	3.25	YES	NO
L0002176	0	0.24850E-06	493759.8	3760947.1	683.6	3.49	4.00	3.25	YES	NO
L0002177	0	0.24850E-06	493751.4	3760948.4	684.2	3.49	4.00	3.25	YES	NO
L0002178	0	0.24850E-06	493742.9	3760949.7	684.1	3.49	4.00	3.25	YES	NO
L0002179	0	0.24850E-06	493734.4	3760951.0	684.0	3.49	4.00	3.25	YES	NO
L0002180	0	0.24850E-06	493725.9	3760952.3	683.7	3.49	4.00	3.25	YES	NO
L0002181	0	0.24850E-06	493717.4	3760953.7	683.4	3.49	4.00	3.25	YES	NO
L0002182	0	0.24850E-06	493708.9	3760955.0	683.2	3.49	4.00	3.25	YES	NO
L0002183	0	0.24850E-06	493700.4	3760956.3	683.1	3.49	4.00	3.25	YES	NO
L0002184	0	0.24850E-06	493691.9	3760957.6	683.0	3.49	4.00	3.25	YES	NO
L0002185	0	0.24850E-06	493683.4	3760958.9	683.1	3.49	4.00	3.25	YES	NO
L0002186	0	0.24850E-06	493675.0	3760960.2	683.1	3.49	4.00	3.25	YES	NO
L0002187	0	0.24850E-06	493666.5	3760961.6	683.1	3.49	4.00	3.25	YES	NO
L0002188	0	0.24850E-06	493658.0	3760962.9	683.9	3.49	4.00	3.25	YES	NO
L0002189	0	0.24850E-06	493649.5	3760964.2	686.7	3.49	4.00	3.25	YES	NO
L0002190	0	0.24850E-06	493641.0	3760965.5	689.5	3.49	4.00	3.25	YES	NO

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 L0002191         0   0.24850E-06  493632.5 3760966.8   692.3     3.49     4.00     3.25
 YES                    NO
 L0002192         0   0.24850E-06  493624.0 3760968.1   694.3     3.49     4.00     3.25
 YES                    NO
 L0002193         0   0.16790E-06  493434.3 3761538.6   694.9     3.49     4.00     3.25
 YES                    NO
 L0002194         0   0.16790E-06  493434.4 3761530.0   693.5     3.49     4.00     3.25
 YES                    NO
 L0002195         0   0.16790E-06  493434.5 3761521.4   692.2     3.49     4.00     3.25
 YES                    NO
 L0002196         0   0.16790E-06  493434.6 3761512.8   690.9     3.49     4.00     3.25
 YES                    NO
 L0002197         0   0.16790E-06  493434.7 3761504.2   689.6     3.49     4.00     3.25
 YES                    NO
 L0002198         0   0.16790E-06  493434.8 3761495.6   688.5     3.49     4.00     3.25
 YES                    NO
 L0002199         0   0.16790E-06  493434.8 3761487.0   687.4     3.49     4.00     3.25
 YES                    NO
 L0002200         0   0.16790E-06  493434.9 3761478.4   686.2     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:35:31

                     PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 L0002201         0   0.16790E-06  493435.0 3761469.8   685.8     3.49     4.00     3.25
 YES                    NO
 L0002202         0   0.16790E-06  493435.1 3761461.2   685.7     3.49     4.00     3.25
 YES                    NO
 L0002203         0   0.16790E-06  493435.2 3761452.7   685.6     3.49     4.00     3.25
 YES                    NO
 L0002204         0   0.16790E-06  493435.2 3761444.1   685.4     3.49     4.00     3.25
 YES                    NO
 L0002205         0   0.16790E-06  493435.3 3761435.5   685.1     3.49     4.00     3.25
 YES                    NO
 L0002206         0   0.16790E-06  493435.4 3761426.9   684.9     3.49     4.00     3.25
 YES                    NO
 L0002207         0   0.16790E-06  493435.5 3761418.3   684.6     3.49     4.00     3.25
 YES                    NO
 L0002208         0   0.16790E-06  493435.6 3761409.7   684.3     3.49     4.00     3.25
 YES                    NO
 L0002209         0   0.16790E-06  493435.7 3761401.1   684.0     3.49     4.00     3.25
 YES                    NO
 L0002210         0   0.16790E-06  493435.7 3761392.5   683.7     3.49     4.00     3.25
 YES                    NO
 L0002211         0   0.16790E-06  493435.8 3761383.9   683.5     3.49     4.00     3.25
 YES                    NO
 L0002212         0   0.16790E-06  493435.9 3761375.3   683.3     3.49     4.00     3.25
 YES                    NO
 L0002213         0   0.16790E-06  493436.0 3761366.8   683.2     3.49     4.00     3.25
 YES                    NO
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L0002214	0	0.16790E-06	493436.1	3761358.2	683.0	3.49	4.00	3.25
YES		NO						
L0002215	0	0.12310E-05	493558.2	3761391.8	682.0	3.49	4.00	3.25
YES		NO						
L0002216	0	0.12310E-05	493557.9	3761383.2	682.0	3.49	4.00	3.25
YES		NO						
L0002217	0	0.12310E-05	493557.6	3761374.6	682.2	3.49	4.00	3.25
YES		NO						
L0002218	0	0.34740E-06	493126.1	3761420.4	685.0	3.49	4.00	3.25
YES		NO						
L0002219	0	0.34740E-06	493126.2	3761411.8	684.7	3.49	4.00	3.25
YES		NO						
L0002220	0	0.34740E-06	493126.2	3761403.2	684.1	3.49	4.00	3.25
YES		NO						
L0002221	0	0.34740E-06	493126.2	3761394.6	683.6	3.49	4.00	3.25
YES		NO						
L0002222	0	0.34740E-06	493126.2	3761386.0	683.0	3.49	4.00	3.25
YES		NO						
L0002223	0	0.34740E-06	493126.3	3761377.4	683.0	3.49	4.00	3.25
YES		NO						
L0002224	0	0.34740E-06	493126.3	3761368.8	683.0	3.49	4.00	3.25
YES		NO						
L0002225	0	0.34740E-06	493126.3	3761360.2	683.0	3.49	4.00	3.25
YES		NO						
L0002226	0	0.34740E-06	493126.3	3761351.6	683.1	3.49	4.00	3.25
YES		NO						
L0002227	0	0.34740E-06	493126.4	3761343.1	683.2	3.49	4.00	3.25
YES		NO						
L0002228	0	0.34740E-06	493126.4	3761334.5	683.3	3.49	4.00	3.25
YES		NO						
L0002229	0	0.34740E-06	493126.4	3761325.9	683.5	3.49	4.00	3.25
YES		NO						
L0002230	0	0.34740E-06	493126.5	3761317.3	686.0	3.49	4.00	3.25
YES		NO						
L0002231	0	0.34740E-06	493126.5	3761308.7	688.4	3.49	4.00	3.25
YES		NO						
L0002232	0	0.34740E-06	493126.5	3761300.1	690.9	3.49	4.00	3.25
YES		NO						
L0002233	0	0.34740E-06	493126.5	3761291.5	691.8	3.49	4.00	3.25
YES		NO						
L0002234	0	0.34740E-06	493126.6	3761282.9	691.6	3.49	4.00	3.25
YES		NO						
L0002235	0	0.34740E-06	493126.6	3761274.3	691.3	3.49	4.00	3.25
YES		NO						
L0002236	0	0.34740E-06	493126.6	3761265.7	690.9	3.49	4.00	3.25
YES		NO						
L0002237	0	0.34740E-06	493126.7	3761257.2	688.5	3.49	4.00	3.25
YES		NO						
L0002238	0	0.34740E-06	493126.7	3761248.6	686.1	3.49	4.00	3.25
YES		NO						
L0002239	0	0.34740E-06	493126.7	3761240.0	683.7	3.49	4.00	3.25
YES		NO						
L0002240	0	0.34740E-06	493126.7	3761231.4	683.0	3.49	4.00	3.25
YES		NO						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.

SOURCE ID	URBAN SOURCE	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SCALAR VARY BY
L0002241	0	0.34740E-06	493126.8	3761222.8	683.5	3.49	4.00	3.25	NO
L0002242	0	0.34740E-06	493126.8	3761214.2	684.1	3.49	4.00	3.25	NO
L0002243	0	0.34740E-06	493126.8	3761205.6	684.7	3.49	4.00	3.25	NO
L0002244	0	0.34740E-06	493126.9	3761197.0	684.9	3.49	4.00	3.25	NO
L0002245	0	0.34740E-06	493126.9	3761188.4	685.1	3.49	4.00	3.25	NO
L0002246	0	0.34740E-06	493126.9	3761179.8	685.3	3.49	4.00	3.25	NO
L0002247	0	0.34740E-06	493126.9	3761171.3	685.3	3.49	4.00	3.25	NO
L0002248	0	0.34740E-06	493127.0	3761162.7	685.1	3.49	4.00	3.25	NO
L0002249	0	0.37140E-06	493326.8	3761421.3	683.5	3.49	4.00	3.25	NO
L0002250	0	0.37140E-06	493326.9	3761412.7	683.5	3.49	4.00	3.25	NO
L0002251	0	0.37140E-06	493327.0	3761404.1	683.7	3.49	4.00	3.25	NO
L0002252	0	0.37140E-06	493327.0	3761395.5	684.0	3.49	4.00	3.25	NO
L0002253	0	0.37140E-06	493327.1	3761386.9	684.3	3.49	4.00	3.25	NO
L0002254	0	0.37140E-06	493327.1	3761378.3	684.1	3.49	4.00	3.25	NO
L0002255	0	0.37140E-06	493327.2	3761369.7	683.8	3.49	4.00	3.25	NO
L0002256	0	0.37140E-06	493327.3	3761361.1	683.5	3.49	4.00	3.25	NO
L0002257	0	0.37140E-06	493327.3	3761352.5	683.5	3.49	4.00	3.25	NO
L0002258	0	0.37140E-06	493327.4	3761343.9	684.1	3.49	4.00	3.25	NO
L0002259	0	0.37140E-06	493327.5	3761335.4	684.7	3.49	4.00	3.25	NO
L0002260	0	0.37140E-06	493327.5	3761326.8	685.2	3.49	4.00	3.25	NO
L0002261	0	0.37140E-06	493327.6	3761318.2	688.6	3.49	4.00	3.25	NO
L0002262	0	0.37140E-06	493327.6	3761309.6	692.1	3.49	4.00	3.25	NO
L0002263	0	0.37140E-06	493327.7	3761301.0	695.7	3.49	4.00	3.25	NO
L0002264	0	0.37140E-06	493327.8	3761292.4	697.9	3.49	4.00	3.25	NO
L0002265	0	0.37140E-06	493327.8	3761283.8	698.6	3.49	4.00	3.25	NO
L0002266	0	0.37140E-06	493327.9	3761275.2	699.2	3.49	4.00	3.25	NO
L0002267	0	0.37140E-06	493327.9	3761266.6	699.9	3.49	4.00	3.25	NO
L0002268	0	0.37140E-06	493328.0	3761258.0	698.7	3.49	4.00	3.25	NO
L0002269	0	0.37140E-06	493328.1	3761249.5	697.5	3.49	4.00	3.25	NO

L0002270 0 0.37140E-06 493328.1 3761240.9 696.2 3.49 4.00 3.25
YES NO
L0002271 0 0.37140E-06 493328.2 3761232.3 693.7 3.49 4.00 3.25
YES NO
L0002272 0 0.37140E-06 493328.2 3761223.7 689.9 3.49 4.00 3.25
YES NO
L0002273 0 0.37140E-06 493328.3 3761215.1 686.0 3.49 4.00 3.25
YES NO
L0002274 0 0.37140E-06 493328.4 3761206.5 682.1 3.49 4.00 3.25
YES NO
L0002275 0 0.37140E-06 493328.4 3761197.9 682.2 3.49 4.00 3.25
YES NO
L0002276 0 0.37140E-06 493328.5 3761189.3 682.4 3.49 4.00 3.25
YES NO
L0002277 0 0.37140E-06 493328.5 3761180.7 682.7 3.49 4.00 3.25
YES NO
L0002278 0 0.11220E-06 493086.9 3761422.6 682.9 3.49 4.00 3.25
YES NO
L0002279 0 0.11220E-06 493087.0 3761414.0 682.9 3.49 4.00 3.25
YES NO
L0002280 0 0.11220E-06 493087.1 3761405.4 682.9 3.49 4.00 3.25
YES NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)
L0002281	0	0.11220E-06	493087.2	3761396.8	682.9	3.49	4.00	3.25
YES		NO						
L0002282	0	0.11220E-06	493087.4	3761388.2	682.9	3.49	4.00	3.25
YES		NO						
L0002283	0	0.11220E-06	493087.5	3761379.6	682.9	3.49	4.00	3.25
YES		NO						
L0002284	0	0.11220E-06	493087.6	3761371.1	682.9	3.49	4.00	3.25
YES		NO						
L0002285	0	0.11220E-06	493087.7	3761362.5	682.9	3.49	4.00	3.25
YES		NO						
L0002286	0	0.11220E-06	493087.8	3761353.9	682.9	3.49	4.00	3.25
YES		NO						
L0002287	0	0.11220E-06	493087.9	3761345.3	682.9	3.49	4.00	3.25
YES		NO						
L0002288	0	0.11220E-06	493088.0	3761336.7	682.9	3.49	4.00	3.25
YES		NO						
L0002289	0	0.11220E-06	493088.1	3761328.1	682.9	3.49	4.00	3.25
YES		NO						
L0002290	0	0.11220E-06	493088.2	3761319.5	683.6	3.49	4.00	3.25
YES		NO						
L0002291	0	0.11220E-06	493088.4	3761310.9	684.4	3.49	4.00	3.25
YES		NO						
L0002292	0	0.11220E-06	493088.5	3761302.3	685.2	3.49	4.00	3.25
YES		NO						

L0002293	0	0.11220E-06	493088.6	3761293.8	685.5	3.49	4.00	3.25
YES		NO						
L0002294	0	0.11220E-06	493088.7	3761285.2	684.4	3.49	4.00	3.25
YES		NO						
L0002295	0	0.11220E-06	493088.8	3761276.6	683.3	3.49	4.00	3.25
YES		NO						
L0002296	0	0.11220E-06	493088.9	3761268.0	682.2	3.49	4.00	3.25
YES		NO						
L0002297	0	0.11220E-06	493089.0	3761259.4	682.2	3.49	4.00	3.25
YES		NO						
L0002298	0	0.11220E-06	493089.1	3761250.8	682.5	3.49	4.00	3.25
YES		NO						
L0002299	0	0.11220E-06	493089.2	3761242.2	682.8	3.49	4.00	3.25
YES		NO						
L0002300	0	0.11220E-06	493089.4	3761233.6	683.0	3.49	4.00	3.25
YES		NO						
L0002301	0	0.11220E-06	493089.5	3761225.0	683.0	3.49	4.00	3.25
YES		NO						
L0002302	0	0.11220E-06	493089.6	3761216.4	683.0	3.49	4.00	3.25
YES		NO						
L0002303	0	0.11220E-06	493089.7	3761207.9	683.0	3.49	4.00	3.25
YES		NO						
L0002304	0	0.11220E-06	493089.8	3761199.3	683.2	3.49	4.00	3.25
YES		NO						
L0002305	0	0.11220E-06	493089.9	3761190.7	683.5	3.49	4.00	3.25
YES		NO						
L0002306	0	0.11220E-06	493090.0	3761182.1	683.8	3.49	4.00	3.25
YES		NO						
L0002307	0	0.11220E-06	493090.1	3761173.5	684.0	3.49	4.00	3.25
YES		NO						
L0002308	0	0.11220E-06	493090.2	3761164.9	684.0	3.49	4.00	3.25
YES		NO						
L0002309	0	0.11220E-06	493090.4	3761156.3	684.0	3.49	4.00	3.25
YES		NO						
L0002310	0	0.11970E-06	493366.1	3761424.8	681.2	3.49	4.00	3.25
YES		NO						
L0002311	0	0.11970E-06	493366.1	3761416.2	681.0	3.49	4.00	3.25
YES		NO						
L0002312	0	0.11970E-06	493366.1	3761407.6	681.0	3.49	4.00	3.25
YES		NO						
L0002313	0	0.11970E-06	493366.2	3761399.1	681.0	3.49	4.00	3.25
YES		NO						
L0002314	0	0.11970E-06	493366.2	3761390.5	681.0	3.49	4.00	3.25
YES		NO						
L0002315	0	0.11970E-06	493366.2	3761381.9	680.8	3.49	4.00	3.25
YES		NO						
L0002316	0	0.11970E-06	493366.3	3761373.3	680.6	3.49	4.00	3.25
YES		NO						
L0002317	0	0.11970E-06	493366.3	3761364.7	680.3	3.49	4.00	3.25
YES		NO						
L0002318	0	0.11970E-06	493366.3	3761356.1	680.0	3.49	4.00	3.25
YES		NO						
L0002319	0	0.11970E-06	493366.3	3761347.5	679.8	3.49	4.00	3.25
YES		NO						
L0002320	0	0.11970E-06	493366.4	3761338.9	679.5	3.49	4.00	3.25
YES		NO						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SOURCE SCALAR VARY BY
L0002321	0	0.11970E-06	493366.4	3761330.3	679.3	3.49	4.00	3.25	YES	NO
L0002322	0	0.11970E-06	493366.4	3761321.7	680.5	3.49	4.00	3.25	YES	NO
L0002323	0	0.11970E-06	493366.5	3761313.2	682.9	3.49	4.00	3.25	YES	NO
L0002324	0	0.11970E-06	493366.5	3761304.6	685.4	3.49	4.00	3.25	YES	NO
L0002325	0	0.11970E-06	493366.5	3761296.0	687.7	3.49	4.00	3.25	YES	NO
L0002326	0	0.11970E-06	493366.6	3761287.4	686.6	3.49	4.00	3.25	YES	NO
L0002327	0	0.11970E-06	493366.6	3761278.8	685.5	3.49	4.00	3.25	YES	NO
L0002328	0	0.11970E-06	493366.6	3761270.2	684.4	3.49	4.00	3.25	YES	NO
L0002329	0	0.11970E-06	493366.6	3761261.6	683.7	3.49	4.00	3.25	YES	NO
L0002330	0	0.11970E-06	493366.7	3761253.0	683.2	3.49	4.00	3.25	YES	NO
L0002331	0	0.11970E-06	493366.7	3761244.4	682.8	3.49	4.00	3.25	YES	NO
L0002332	0	0.11970E-06	493366.7	3761235.8	682.3	3.49	4.00	3.25	YES	NO
L0002333	0	0.11970E-06	493366.8	3761227.3	679.5	3.49	4.00	3.25	YES	NO
L0002334	0	0.11970E-06	493366.8	3761218.7	676.7	3.49	4.00	3.25	YES	NO
L0002335	0	0.11970E-06	493366.8	3761210.1	673.9	3.49	4.00	3.25	YES	NO
L0002336	0	0.11970E-06	493366.8	3761201.5	672.3	3.49	4.00	3.25	YES	NO
L0002337	0	0.11970E-06	493366.9	3761192.9	671.5	3.49	4.00	3.25	YES	NO
L0002338	0	0.11970E-06	493366.9	3761184.3	670.8	3.49	4.00	3.25	YES	NO
L0002339	0	0.11970E-06	493366.9	3761175.7	670.1	3.49	4.00	3.25	YES	NO
L0002340	0	0.32640E-06	492826.2	3761433.9	686.1	3.49	4.00	3.25	YES	NO
L0002341	0	0.32640E-06	492826.2	3761425.3	686.0	3.49	4.00	3.25	YES	NO
L0002342	0	0.32640E-06	492826.3	3761416.7	685.8	3.49	4.00	3.25	YES	NO
L0002343	0	0.32640E-06	492826.3	3761408.1	685.2	3.49	4.00	3.25	YES	NO
L0002344	0	0.32640E-06	492826.4	3761399.5	684.6	3.49	4.00	3.25	YES	NO
L0002345	0	0.32640E-06	492826.5	3761390.9	684.0	3.49	4.00	3.25	YES	NO
L0002346	0	0.32640E-06	492826.5	3761382.4	684.0	3.49	4.00	3.25	YES	NO
L0002347	0	0.32640E-06	492826.6	3761373.8	684.9	3.49	4.00	3.25	YES	NO
L0002348	0	0.32640E-06	492826.7	3761365.2	685.8	3.49	4.00	3.25	YES	NO

L0002349 0 0.32640E-06 492826.7 3761356.6 686.8 3.49 4.00 3.25
YES NO
L0002350 0 0.32640E-06 492826.8 3761348.0 687.0 3.49 4.00 3.25
YES NO
L0002351 0 0.32640E-06 492826.8 3761339.4 687.2 3.49 4.00 3.25
YES NO
L0002352 0 0.32640E-06 492826.9 3761330.8 687.4 3.49 4.00 3.25
YES NO
L0002353 0 0.32640E-06 492827.0 3761322.2 687.3 3.49 4.00 3.25
YES NO
L0002354 0 0.32640E-06 492827.0 3761313.6 686.7 3.49 4.00 3.25
YES NO
L0002355 0 0.32640E-06 492827.1 3761305.0 686.1 3.49 4.00 3.25
YES NO
L0002356 0 0.32640E-06 492827.2 3761296.5 685.6 3.49 4.00 3.25
YES NO
L0002357 0 0.32640E-06 492827.2 3761287.9 684.4 3.49 4.00 3.25
YES NO
L0002358 0 0.32640E-06 492827.3 3761279.3 683.3 3.49 4.00 3.25
YES NO
L0002359 0 0.32640E-06 492827.4 3761270.7 682.1 3.49 4.00 3.25
YES NO
L0002360 0 0.32640E-06 492827.4 3761262.1 681.5 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	AIRCRAFT CATS.	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0002361	0	0.32640E-06		492827.5	3761253.5	681.4	3.49	4.00	3.25
YES		NO							
L0002362	0	0.32640E-06		492827.5	3761244.9	681.3	3.49	4.00	3.25
YES		NO							
L0002363	0	0.32640E-06		492827.6	3761236.3	681.2	3.49	4.00	3.25
YES		NO							
L0002364	0	0.32640E-06		492827.7	3761227.7	683.2	3.49	4.00	3.25
YES		NO							
L0002365	0	0.32640E-06		492827.7	3761219.1	685.1	3.49	4.00	3.25
YES		NO							
L0002366	0	0.32640E-06		492827.8	3761210.6	687.0	3.49	4.00	3.25
YES		NO							
L0002367	0	0.32640E-06		492827.9	3761202.0	688.9	3.49	4.00	3.25
YES		NO							
L0002368	0	0.32640E-06		492827.9	3761193.4	690.8	3.49	4.00	3.25
YES		NO							
L0002369	0	0.32640E-06		492828.0	3761184.8	692.6	3.49	4.00	3.25
YES		NO							
L0002370	0	0.32640E-06		492828.0	3761176.2	694.5	3.49	4.00	3.25
YES		NO							
L0002371	0	0.32640E-06		492828.1	3761167.6	695.0	3.49	4.00	3.25
YES		NO							

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 L0002372         0   0.32640E-06  492828.2 3761159.0   695.5     3.49     4.00     3.25
 YES                    NO
 L0002373         0   0.32640E-06  493020.8 3761436.0   684.4     3.49     4.00     3.25
 YES                    NO
 L0002374         0   0.32640E-06  493020.9 3761427.4   684.5     3.49     4.00     3.25
 YES                    NO
 L0002375         0   0.32640E-06  493020.9 3761418.8   684.6     3.49     4.00     3.25
 YES                    NO
 L0002376         0   0.32640E-06  493021.0 3761410.2   684.2     3.49     4.00     3.25
 YES                    NO
 L0002377         0   0.32640E-06  493021.0 3761401.6   683.5     3.49     4.00     3.25
 YES                    NO
 L0002378         0   0.32640E-06  493021.1 3761393.0   682.8     3.49     4.00     3.25
 YES                    NO
 L0002379         0   0.32640E-06  493021.1 3761384.4   682.1     3.49     4.00     3.25
 YES                    NO
 L0002380         0   0.32640E-06  493021.2 3761375.9   681.3     3.49     4.00     3.25
 YES                    NO
 L0002381         0   0.32640E-06  493021.2 3761367.3   680.4     3.49     4.00     3.25
 YES                    NO
 L0002382         0   0.32640E-06  493021.2 3761358.7   679.5     3.49     4.00     3.25
 YES                    NO
 L0002383         0   0.32640E-06  493021.3 3761350.1   679.4     3.49     4.00     3.25
 YES                    NO
 L0002384         0   0.32640E-06  493021.3 3761341.5   679.6     3.49     4.00     3.25
 YES                    NO
 L0002385         0   0.32640E-06  493021.4 3761332.9   679.8     3.49     4.00     3.25
 YES                    NO
 L0002386         0   0.32640E-06  493021.4 3761324.3   679.9     3.49     4.00     3.25
 YES                    NO
 L0002387         0   0.32640E-06  493021.5 3761315.7   679.7     3.49     4.00     3.25
 YES                    NO
 L0002388         0   0.32640E-06  493021.5 3761307.1   679.5     3.49     4.00     3.25
 YES                    NO
 L0002389         0   0.32640E-06  493021.6 3761298.6   679.3     3.49     4.00     3.25
 YES                    NO
 L0002390         0   0.32640E-06  493021.6 3761290.0   679.3     3.49     4.00     3.25
 YES                    NO
 L0002391         0   0.32640E-06  493021.7 3761281.4   679.3     3.49     4.00     3.25
 YES                    NO
 L0002392         0   0.32640E-06  493021.7 3761272.8   679.3     3.49     4.00     3.25
 YES                    NO
 L0002393         0   0.32640E-06  493021.8 3761264.2   679.5     3.49     4.00     3.25
 YES                    NO
 L0002394         0   0.32640E-06  493021.8 3761255.6   680.2     3.49     4.00     3.25
 YES                    NO
 L0002395         0   0.32640E-06  493021.9 3761247.0   680.8     3.49     4.00     3.25
 YES                    NO
 L0002396         0   0.32640E-06  493021.9 3761238.4   681.5     3.49     4.00     3.25
 YES                    NO
 L0002397         0   0.32640E-06  493022.0 3761229.8   681.4     3.49     4.00     3.25
 YES                    NO
 L0002398         0   0.32640E-06  493022.0 3761221.2   680.9     3.49     4.00     3.25
 YES                    NO
 L0002399         0   0.32640E-06  493022.0 3761212.7   680.5     3.49     4.00     3.25
 YES                    NO
 L0002400         0   0.32640E-06  493022.1 3761204.1   680.3     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

                      PAGE  12
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	VARY BY
L0002401	0	0.32640E-06	493022.1	3761195.5	681.0	3.49	4.00	3.25	NO
L0002402	0	0.32640E-06	493022.2	3761186.9	681.6	3.49	4.00	3.25	NO
L0002403	0	0.32640E-06	493022.2	3761178.3	682.3	3.49	4.00	3.25	NO
L0002404	0	0.32640E-06	493022.3	3761169.7	681.8	3.49	4.00	3.25	NO
L0002405	0	0.32640E-06	493022.3	3761161.1	681.0	3.49	4.00	3.25	NO
L0002406	0	0.10560E-06	492787.9	3761437.6	683.0	3.49	4.00	3.25	NO
L0002407	0	0.10560E-06	492788.0	3761429.0	683.0	3.49	4.00	3.25	NO
L0002408	0	0.10560E-06	492788.0	3761420.4	683.0	3.49	4.00	3.25	NO
L0002409	0	0.10560E-06	492788.1	3761411.8	683.0	3.49	4.00	3.25	NO
L0002410	0	0.10560E-06	492788.2	3761403.2	683.1	3.49	4.00	3.25	NO
L0002411	0	0.10560E-06	492788.3	3761394.6	683.2	3.49	4.00	3.25	NO
L0002412	0	0.10560E-06	492788.4	3761386.0	683.3	3.49	4.00	3.25	NO
L0002413	0	0.10560E-06	492788.5	3761377.4	685.6	3.49	4.00	3.25	NO
L0002414	0	0.10560E-06	492788.6	3761368.8	687.9	3.49	4.00	3.25	NO
L0002415	0	0.10560E-06	492788.7	3761360.3	690.1	3.49	4.00	3.25	NO
L0002416	0	0.10560E-06	492788.8	3761351.7	691.3	3.49	4.00	3.25	NO
L0002417	0	0.10560E-06	492788.9	3761343.1	691.6	3.49	4.00	3.25	NO
L0002418	0	0.10560E-06	492789.0	3761334.5	691.9	3.49	4.00	3.25	NO
L0002419	0	0.10560E-06	492789.1	3761325.9	692.0	3.49	4.00	3.25	NO
L0002420	0	0.10560E-06	492789.2	3761317.3	690.3	3.49	4.00	3.25	NO
L0002421	0	0.10560E-06	492789.3	3761308.7	688.6	3.49	4.00	3.25	NO
L0002422	0	0.10560E-06	492789.4	3761300.1	686.8	3.49	4.00	3.25	NO
L0002423	0	0.10560E-06	492789.5	3761291.5	685.2	3.49	4.00	3.25	NO
L0002424	0	0.10560E-06	492789.5	3761283.0	683.8	3.49	4.00	3.25	NO
L0002425	0	0.10560E-06	492789.6	3761274.4	682.4	3.49	4.00	3.25	NO
L0002426	0	0.10560E-06	492789.7	3761265.8	681.0	3.49	4.00	3.25	NO
L0002427	0	0.10560E-06	492789.8	3761257.2	681.3	3.49	4.00	3.25	NO

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 L0002428         0   0.10560E-06  492789.9 3761248.6   681.6     3.49     4.00     3.25
 YES                    NO
 L0002429         0   0.10560E-06  492790.0 3761240.0   681.9     3.49     4.00     3.25
 YES                    NO
 L0002430         0   0.10560E-06  492790.1 3761231.4   682.7     3.49     4.00     3.25
 YES                    NO
 L0002431         0   0.10560E-06  492790.2 3761222.8   683.8     3.49     4.00     3.25
 YES                    NO
 L0002432         0   0.10560E-06  492790.3 3761214.2   684.9     3.49     4.00     3.25
 YES                    NO
 L0002433         0   0.10560E-06  492790.4 3761205.6   686.1     3.49     4.00     3.25
 YES                    NO
 L0002434         0   0.10560E-06  492790.5 3761197.1   687.5     3.49     4.00     3.25
 YES                    NO
 L0002435         0   0.10560E-06  492790.6 3761188.5   689.0     3.49     4.00     3.25
 YES                    NO
 L0002436         0   0.10560E-06  492790.7 3761179.9   690.4     3.49     4.00     3.25
 YES                    NO
 L0002437         0   0.10560E-06  492790.8 3761171.3   691.5     3.49     4.00     3.25
 YES                    NO
 L0002438         0   0.10560E-06  492790.9 3761162.7   692.4     3.49     4.00     3.25
 YES                    NO
 L0002439         0   0.10560E-06  492790.9 3761154.1   693.3     3.49     4.00     3.25
 YES                    NO
 L0002440         0   0.10560E-06  493058.1 3761437.6   682.8     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

                      PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

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

 L0002441         0   0.10560E-06  493058.2 3761429.0   682.5     3.49     4.00     3.25
 YES                    NO
 L0002442         0   0.10560E-06  493058.2 3761420.4   682.3     3.49     4.00     3.25
 YES                    NO
 L0002443         0   0.10560E-06  493058.3 3761411.8   682.1     3.49     4.00     3.25
 YES                    NO
 L0002444         0   0.10560E-06  493058.4 3761403.2   682.1     3.49     4.00     3.25
 YES                    NO
 L0002445         0   0.10560E-06  493058.5 3761394.6   682.0     3.49     4.00     3.25
 YES                    NO
 L0002446         0   0.10560E-06  493058.6 3761386.0   682.0     3.49     4.00     3.25
 YES                    NO
 L0002447         0   0.10560E-06  493058.6 3761377.4   681.9     3.49     4.00     3.25
 YES                    NO
 L0002448         0   0.10560E-06  493058.7 3761368.8   681.9     3.49     4.00     3.25
 YES                    NO
 L0002449         0   0.10560E-06  493058.8 3761360.3   681.9     3.49     4.00     3.25
 YES                    NO
 L0002450         0   0.10560E-06  493058.9 3761351.7   681.9     3.49     4.00     3.25
 YES                    NO
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 L0002451         0   0.10560E-06  493059.0 3761343.1   681.9     3.49     4.00     3.25
 YES                    NO
 L0002452         0   0.10560E-06  493059.0 3761334.5   682.0     3.49     4.00     3.25
 YES                    NO
 L0002453         0   0.10560E-06  493059.1 3761325.9   682.0     3.49     4.00     3.25
 YES                    NO
 L0002454         0   0.10560E-06  493059.2 3761317.3   682.3     3.49     4.00     3.25
 YES                    NO
 L0002455         0   0.10560E-06  493059.3 3761308.7   682.5     3.49     4.00     3.25
 YES                    NO
 L0002456         0   0.10560E-06  493059.3 3761300.1   682.8     3.49     4.00     3.25
 YES                    NO
 L0002457         0   0.10560E-06  493059.4 3761291.5   682.6     3.49     4.00     3.25
 YES                    NO
 L0002458         0   0.10560E-06  493059.5 3761282.9   682.1     3.49     4.00     3.25
 YES                    NO
 L0002459         0   0.10560E-06  493059.6 3761274.4   681.5     3.49     4.00     3.25
 YES                    NO
 L0002460         0   0.10560E-06  493059.7 3761265.8   681.0     3.49     4.00     3.25
 YES                    NO
 L0002461         0   0.10560E-06  493059.7 3761257.2   681.6     3.49     4.00     3.25
 YES                    NO
 L0002462         0   0.10560E-06  493059.8 3761248.6   682.2     3.49     4.00     3.25
 YES                    NO
 L0002463         0   0.10560E-06  493059.9 3761240.0   682.7     3.49     4.00     3.25
 YES                    NO
 L0002464         0   0.10560E-06  493060.0 3761231.4   682.8     3.49     4.00     3.25
 YES                    NO
 L0002465         0   0.10560E-06  493060.0 3761222.8   682.5     3.49     4.00     3.25
 YES                    NO
 L0002466         0   0.10560E-06  493060.1 3761214.2   682.3     3.49     4.00     3.25
 YES                    NO
 L0002467         0   0.10560E-06  493060.2 3761205.6   682.0     3.49     4.00     3.25
 YES                    NO
 L0002468         0   0.10560E-06  493060.3 3761197.1   682.0     3.49     4.00     3.25
 YES                    NO
 L0002469         0   0.10560E-06  493060.4 3761188.5   682.0     3.49     4.00     3.25
 YES                    NO
 L0002470         0   0.10560E-06  493060.4 3761179.9   682.0     3.49     4.00     3.25
 YES                    NO
 L0002471         0   0.10560E-06  493060.5 3761171.3   681.8     3.49     4.00     3.25
 YES                    NO
 L0002472         0   0.10560E-06  493060.6 3761162.7   681.6     3.49     4.00     3.25
 YES                    NO
 L0002473         0   0.10560E-06  493060.7 3761154.1   681.3     3.49     4.00     3.25
 YES                    NO
 L0002474         0   0.27620E-06  492548.6 3761384.6   686.8     3.49     4.00     3.25
 YES                    NO
 L0002475         0   0.27620E-06  492548.6 3761376.0   686.2     3.49     4.00     3.25
 YES                    NO
 L0002476         0   0.27620E-06  492548.6 3761367.4   685.6     3.49     4.00     3.25
 YES                    NO
 L0002477         0   0.27620E-06  492548.7 3761358.8   685.1     3.49     4.00     3.25
 YES                    NO
 L0002478         0   0.27620E-06  492548.7 3761350.2   684.5     3.49     4.00     3.25
 YES                    NO
 L0002479         0   0.27620E-06  492548.8 3761341.6   684.0     3.49     4.00     3.25
 YES                    NO
 L0002480         0   0.27620E-06  492548.8 3761333.0   683.4     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

                    PAGE  14
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0002481	0	0.27620E-06	492548.8	3761324.4	683.0	3.49	4.00	3.25
YES		NO						
L0002482	0	0.27620E-06	492548.9	3761315.8	683.0	3.49	4.00	3.25
YES		NO						
L0002483	0	0.27620E-06	492548.9	3761307.3	683.0	3.49	4.00	3.25
YES		NO						
L0002484	0	0.27620E-06	492549.0	3761298.7	683.0	3.49	4.00	3.25
YES		NO						
L0002485	0	0.27620E-06	492549.0	3761290.1	684.1	3.49	4.00	3.25
YES		NO						
L0002486	0	0.27620E-06	492549.0	3761281.5	685.6	3.49	4.00	3.25
YES		NO						
L0002487	0	0.27620E-06	492549.1	3761272.9	687.1	3.49	4.00	3.25
YES		NO						
L0002488	0	0.27620E-06	492549.1	3761264.3	688.6	3.49	4.00	3.25
YES		NO						
L0002489	0	0.27620E-06	492549.2	3761255.7	690.2	3.49	4.00	3.25
YES		NO						
L0002490	0	0.27620E-06	492549.2	3761247.1	691.9	3.49	4.00	3.25
YES		NO						
L0002491	0	0.27620E-06	492549.2	3761238.5	693.6	3.49	4.00	3.25
YES		NO						
L0002492	0	0.27620E-06	492549.3	3761229.9	694.6	3.49	4.00	3.25
YES		NO						
L0002493	0	0.27620E-06	492549.3	3761221.4	695.5	3.49	4.00	3.25
YES		NO						
L0002494	0	0.27620E-06	492549.4	3761212.8	696.3	3.49	4.00	3.25
YES		NO						
L0002495	0	0.27620E-06	492549.4	3761204.2	697.0	3.49	4.00	3.25
YES		NO						
L0002496	0	0.27620E-06	492549.4	3761195.6	697.3	3.49	4.00	3.25
YES		NO						
L0002497	0	0.27620E-06	492549.5	3761187.0	697.6	3.49	4.00	3.25
YES		NO						
L0002498	0	0.27620E-06	492549.5	3761178.4	697.9	3.49	4.00	3.25
YES		NO						
L0002499	0	0.27620E-06	492549.6	3761169.8	698.2	3.49	4.00	3.25
YES		NO						
L0002500	0	0.27620E-06	492549.6	3761161.2	698.5	3.49	4.00	3.25
YES		NO						
L0002501	0	0.27620E-06	492549.6	3761152.6	698.8	3.49	4.00	3.25
YES		NO						
L0002502	0	0.27620E-06	492549.7	3761144.0	699.1	3.49	4.00	3.25
YES		NO						
L0002503	0	0.27620E-06	492549.7	3761135.5	699.4	3.49	4.00	3.25
YES		NO						
L0002504	0	0.27620E-06	492549.8	3761126.9	699.6	3.49	4.00	3.25
YES		NO						
L0002505	0	0.27620E-06	492549.8	3761118.3	699.9	3.49	4.00	3.25
YES		NO						
L0002506	0	0.27620E-06	492549.8	3761109.7	699.1	3.49	4.00	3.25
YES		NO						

L0002507 0 0.27620E-06 492549.9 3761101.1 698.0 3.49 4.00 3.25
YES NO
L0002508 0 0.27620E-06 492549.9 3761092.5 696.8 3.49 4.00 3.25
YES NO
L0002509 0 0.27620E-06 492550.0 3761083.9 695.9 3.49 4.00 3.25
YES NO
L0002510 0 0.27620E-06 492550.0 3761075.3 695.6 3.49 4.00 3.25
YES NO
L0002511 0 0.27620E-06 492550.0 3761066.7 695.3 3.49 4.00 3.25
YES NO
L0002512 0 0.27620E-06 492550.1 3761058.1 695.0 3.49 4.00 3.25
YES NO
L0002513 0 0.27620E-06 492723.3 3761385.1 692.9 3.49 4.00 3.25
YES NO
L0002514 0 0.27620E-06 492723.4 3761376.5 693.6 3.49 4.00 3.25
YES NO
L0002515 0 0.27620E-06 492723.4 3761367.9 694.3 3.49 4.00 3.25
YES NO
L0002516 0 0.27620E-06 492723.5 3761359.3 695.1 3.49 4.00 3.25
YES NO
L0002517 0 0.27620E-06 492723.6 3761350.7 695.1 3.49 4.00 3.25
YES NO
L0002518 0 0.27620E-06 492723.6 3761342.1 694.9 3.49 4.00 3.25
YES NO
L0002519 0 0.27620E-06 492723.7 3761333.6 694.6 3.49 4.00 3.25
YES NO
L0002520 0 0.27620E-06 492723.8 3761325.0 694.1 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0002521	0	0.27620E-06	492723.8	3761316.4	692.4	3.49	4.00	3.25
YES		NO						
L0002522	0	0.27620E-06	492723.9	3761307.8	690.7	3.49	4.00	3.25
YES		NO						
L0002523	0	0.27620E-06	492724.0	3761299.2	689.0	3.49	4.00	3.25
YES		NO						
L0002524	0	0.27620E-06	492724.0	3761290.6	687.7	3.49	4.00	3.25
YES		NO						
L0002525	0	0.27620E-06	492724.1	3761282.0	686.5	3.49	4.00	3.25
YES		NO						
L0002526	0	0.27620E-06	492724.2	3761273.4	685.4	3.49	4.00	3.25
YES		NO						
L0002527	0	0.27620E-06	492724.2	3761264.8	684.4	3.49	4.00	3.25
YES		NO						
L0002528	0	0.27620E-06	492724.3	3761256.2	684.3	3.49	4.00	3.25
YES		NO						
L0002529	0	0.27620E-06	492724.4	3761247.7	684.3	3.49	4.00	3.25
YES		NO						

```
 L0002530         0   0.27620E-06  492724.4 3761239.1   684.2     3.49     4.00     3.25
 YES                    NO
 L0002531         0   0.27620E-06  492724.5 3761230.5   686.2     3.49     4.00     3.25
 YES                    NO
 L0002532         0   0.27620E-06  492724.6 3761221.9   689.1     3.49     4.00     3.25
 YES                    NO
 L0002533         0   0.27620E-06  492724.6 3761213.3   692.2     3.49     4.00     3.25
 YES                    NO
 L0002534         0   0.27620E-06  492724.7 3761204.7   694.7     3.49     4.00     3.25
 YES                    NO
 L0002535         0   0.27620E-06  492724.8 3761196.1   695.3     3.49     4.00     3.25
 YES                    NO
 L0002536         0   0.27620E-06  492724.8 3761187.5   695.9     3.49     4.00     3.25
 YES                    NO
 L0002537         0   0.27620E-06  492724.9 3761178.9   696.5     3.49     4.00     3.25
 YES                    NO
 L0002538         0   0.27620E-06  492725.0 3761170.3   697.1     3.49     4.00     3.25
 YES                    NO
 L0002539         0   0.27620E-06  492725.0 3761161.8   697.7     3.49     4.00     3.25
 YES                    NO
 L0002540         0   0.27620E-06  492725.1 3761153.2   698.3     3.49     4.00     3.25
 YES                    NO
 L0002541         0   0.27620E-06  492725.2 3761144.6   698.8     3.49     4.00     3.25
 YES                    NO
 L0002542         0   0.27620E-06  492725.3 3761136.0   698.9     3.49     4.00     3.25
 YES                    NO
 L0002543         0   0.27620E-06  492725.3 3761127.4   699.0     3.49     4.00     3.25
 YES                    NO
 L0002544         0   0.27620E-06  492725.4 3761118.8   699.1     3.49     4.00     3.25
 YES                    NO
 L0002545         0   0.27620E-06  492725.5 3761110.2   699.6     3.49     4.00     3.25
 YES                    NO
 L0002546         0   0.27620E-06  492725.5 3761101.6   700.1     3.49     4.00     3.25
 YES                    NO
 L0002547         0   0.27620E-06  492725.6 3761093.0   700.7     3.49     4.00     3.25
 YES                    NO
 L0002548         0   0.27620E-06  492725.7 3761084.4   701.1     3.49     4.00     3.25
 YES                    NO
 L0002549         0   0.27620E-06  492725.7 3761075.9   700.9     3.49     4.00     3.25
 YES                    NO
 L0002550         0   0.27620E-06  492725.8 3761067.3   700.6     3.49     4.00     3.25
 YES                    NO
 L0002551         0   0.27620E-06  492725.9 3761058.7   700.4     3.49     4.00     3.25
 YES                    NO
 L0002552         0   0.11220E-06  492510.3 3761328.4   683.0     3.49     4.00     3.25
 YES                    NO
 L0002553         0   0.11220E-06  492510.3 3761319.8   683.4     3.49     4.00     3.25
 YES                    NO
 L0002554         0   0.11220E-06  492510.3 3761311.2   683.8     3.49     4.00     3.25
 YES                    NO
 L0002555         0   0.11220E-06  492510.3 3761302.6   684.3     3.49     4.00     3.25
 YES                    NO
 L0002556         0   0.11220E-06  492510.4 3761294.1   685.3     3.49     4.00     3.25
 YES                    NO
 L0002557         0   0.11220E-06  492510.4 3761285.5   687.9     3.49     4.00     3.25
 YES                    NO
 L0002558         0   0.11220E-06  492510.4 3761276.9   690.5     3.49     4.00     3.25
 YES                    NO
 L0002559         0   0.11220E-06  492510.5 3761268.3   693.0     3.49     4.00     3.25
 YES                    NO
 L0002560         0   0.11220E-06  492510.5 3761259.7   694.2     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. SCALAR VARY BY CATS.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	
L0002561	0	0.11220E-06	492510.5	3761251.1	695.0	3.49	4.00	3.25	YES NO
L0002562	0	0.11220E-06	492510.6	3761242.5	695.7	3.49	4.00	3.25	YES NO
L0002563	0	0.11220E-06	492510.6	3761233.9	696.3	3.49	4.00	3.25	YES NO
L0002564	0	0.11220E-06	492510.6	3761225.3	696.5	3.49	4.00	3.25	YES NO
L0002565	0	0.11220E-06	492510.7	3761216.8	696.7	3.49	4.00	3.25	YES NO
L0002566	0	0.11220E-06	492510.7	3761208.2	696.9	3.49	4.00	3.25	YES NO
L0002567	0	0.11220E-06	492510.7	3761199.6	697.4	3.49	4.00	3.25	YES NO
L0002568	0	0.11220E-06	492510.8	3761191.0	698.0	3.49	4.00	3.25	YES NO
L0002569	0	0.11220E-06	492510.8	3761182.4	698.6	3.49	4.00	3.25	YES NO
L0002570	0	0.11220E-06	492510.8	3761173.8	699.1	3.49	4.00	3.25	YES NO
L0002571	0	0.11220E-06	492510.9	3761165.2	699.2	3.49	4.00	3.25	YES NO
L0002572	0	0.11220E-06	492510.9	3761156.6	699.4	3.49	4.00	3.25	YES NO
L0002573	0	0.11220E-06	492510.9	3761148.0	699.6	3.49	4.00	3.25	YES NO
L0002574	0	0.11220E-06	492511.0	3761139.4	699.3	3.49	4.00	3.25	YES NO
L0002575	0	0.11220E-06	492511.0	3761130.9	698.8	3.49	4.00	3.25	YES NO
L0002576	0	0.11220E-06	492511.0	3761122.3	698.3	3.49	4.00	3.25	YES NO
L0002577	0	0.11220E-06	492511.1	3761113.7	697.8	3.49	4.00	3.25	YES NO
L0002578	0	0.11220E-06	492511.1	3761105.1	697.0	3.49	4.00	3.25	YES NO
L0002579	0	0.11220E-06	492511.1	3761096.5	696.2	3.49	4.00	3.25	YES NO
L0002580	0	0.11220E-06	492511.2	3761087.9	695.4	3.49	4.00	3.25	YES NO
L0002581	0	0.11220E-06	492511.2	3761079.3	694.8	3.49	4.00	3.25	YES NO
L0002582	0	0.11220E-06	492511.2	3761070.7	694.3	3.49	4.00	3.25	YES NO
L0002583	0	0.11220E-06	492511.3	3761062.1	693.7	3.49	4.00	3.25	YES NO
L0002584	0	0.89770E-07	492761.6	3761387.7	686.6	3.49	4.00	3.25	YES NO
L0002585	0	0.89770E-07	492761.7	3761379.1	688.7	3.49	4.00	3.25	YES NO

L0002586 0 0.89770E-07 492761.7 3761370.5 691.0 3.49 4.00 3.25
YES NO
L0002587 0 0.89770E-07 492761.8 3761361.9 693.3 3.49 4.00 3.25
YES NO
L0002588 0 0.89770E-07 492761.9 3761353.4 694.8 3.49 4.00 3.25
YES NO
L0002589 0 0.89770E-07 492761.9 3761344.8 694.8 3.49 4.00 3.25
YES NO
L0002590 0 0.89770E-07 492762.0 3761336.2 694.8 3.49 4.00 3.25
YES NO
L0002591 0 0.89770E-07 492762.1 3761327.6 694.8 3.49 4.00 3.25
YES NO
L0002592 0 0.89770E-07 492762.1 3761319.0 692.9 3.49 4.00 3.25
YES NO
L0002593 0 0.89770E-07 492762.2 3761310.4 690.6 3.49 4.00 3.25
YES NO
L0002594 0 0.89770E-07 492762.3 3761301.8 688.4 3.49 4.00 3.25
YES NO
L0002595 0 0.89770E-07 492762.3 3761293.2 686.3 3.49 4.00 3.25
YES NO
L0002596 0 0.89770E-07 492762.4 3761284.6 684.6 3.49 4.00 3.25
YES NO
L0002597 0 0.89770E-07 492762.5 3761276.0 682.9 3.49 4.00 3.25
YES NO
L0002598 0 0.89770E-07 492762.5 3761267.5 681.2 3.49 4.00 3.25
YES NO
L0002599 0 0.89770E-07 492762.6 3761258.9 681.5 3.49 4.00 3.25
YES NO
L0002600 0 0.89770E-07 492762.7 3761250.3 682.0 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0002601	0	0.89770E-07	492762.7	3761241.7	682.6	3.49	4.00	3.25
YES		NO						
L0002602	0	0.89770E-07	492762.8	3761233.1	684.1	3.49	4.00	3.25
YES		NO						
L0002603	0	0.89770E-07	492762.9	3761224.5	687.3	3.49	4.00	3.25
YES		NO						
L0002604	0	0.89770E-07	492762.9	3761215.9	690.6	3.49	4.00	3.25
YES		NO						
L0002605	0	0.89770E-07	492763.0	3761207.3	693.8	3.49	4.00	3.25
YES		NO						
L0002606	0	0.89770E-07	492763.1	3761198.7	694.5	3.49	4.00	3.25
YES		NO						
L0002607	0	0.89770E-07	492763.1	3761190.1	694.9	3.49	4.00	3.25
YES		NO						
L0002608	0	0.89770E-07	492763.2	3761181.6	695.3	3.49	4.00	3.25
YES		NO						

L0002609	0	0.89770E-07	492763.3	3761173.0	695.6	3.49	4.00	3.25
YES		NO						
L0002610	0	0.89770E-07	492763.3	3761164.4	696.0	3.49	4.00	3.25
YES		NO						
L0002611	0	0.89770E-07	492763.4	3761155.8	696.3	3.49	4.00	3.25
YES		NO						
L0002612	0	0.89770E-07	492763.5	3761147.2	696.6	3.49	4.00	3.25
YES		NO						
L0002613	0	0.89770E-07	492763.5	3761138.6	696.8	3.49	4.00	3.25
YES		NO						
L0002614	0	0.89770E-07	492763.6	3761130.0	696.8	3.49	4.00	3.25
YES		NO						
L0002615	0	0.89770E-07	492763.7	3761121.4	696.9	3.49	4.00	3.25
YES		NO						
L0002616	0	0.89770E-07	492763.7	3761112.8	697.3	3.49	4.00	3.25
YES		NO						
L0002617	0	0.89770E-07	492763.8	3761104.3	698.1	3.49	4.00	3.25
YES		NO						
L0002618	0	0.89770E-07	492763.8	3761095.7	699.0	3.49	4.00	3.25
YES		NO						
L0002619	0	0.89770E-07	492763.9	3761087.1	699.8	3.49	4.00	3.25
YES		NO						
L0002620	0	0.89770E-07	492764.0	3761078.5	699.7	3.49	4.00	3.25
YES		NO						
L0002621	0	0.89770E-07	492764.0	3761069.9	699.5	3.49	4.00	3.25
YES		NO						
L0002622	0	0.89770E-07	492764.1	3761061.3	699.2	3.49	4.00	3.25
YES		NO						
L0002623	0	0.89770E-07	492764.2	3761052.7	698.7	3.49	4.00	3.25
YES		NO						
L0002624	0	0.46830E-06	492212.7	3761279.1	694.3	3.49	4.00	3.25
YES		NO						
L0002625	0	0.46830E-06	492212.8	3761270.5	692.8	3.49	4.00	3.25
YES		NO						
L0002626	0	0.46830E-06	492212.8	3761261.9	689.7	3.49	4.00	3.25
YES		NO						
L0002627	0	0.46830E-06	492212.9	3761253.3	685.1	3.49	4.00	3.25
YES		NO						
L0002628	0	0.46830E-06	492212.9	3761244.7	680.5	3.49	4.00	3.25
YES		NO						
L0002629	0	0.46830E-06	492213.0	3761236.1	676.0	3.49	4.00	3.25
YES		NO						
L0002630	0	0.46830E-06	492213.0	3761227.6	674.8	3.49	4.00	3.25
YES		NO						
L0002631	0	0.46830E-06	492213.0	3761219.0	673.7	3.49	4.00	3.25
YES		NO						
L0002632	0	0.46830E-06	492213.1	3761210.4	672.5	3.49	4.00	3.25
YES		NO						
L0002633	0	0.46830E-06	492213.1	3761201.8	673.9	3.49	4.00	3.25
YES		NO						
L0002634	0	0.46830E-06	492213.2	3761193.2	677.4	3.49	4.00	3.25
YES		NO						
L0002635	0	0.46830E-06	492213.2	3761184.6	681.0	3.49	4.00	3.25
YES		NO						
L0002636	0	0.46830E-06	492213.3	3761176.0	684.5	3.49	4.00	3.25
YES		NO						
L0002637	0	0.46830E-06	492213.3	3761167.4	687.1	3.49	4.00	3.25
YES		NO						
L0002638	0	0.46830E-06	492213.4	3761158.8	689.7	3.49	4.00	3.25
YES		NO						
L0002639	0	0.46830E-06	492213.4	3761150.2	692.3	3.49	4.00	3.25
YES		NO						
L0002640	0	0.46830E-06	492213.5	3761141.7	692.0	3.49	4.00	3.25
YES		NO						

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SOURCE SCALAR VARY BY
L0002641	0	0.46830E-06	492213.5	3761133.1	689.1	3.49	4.00	3.25	YES
L0002642	0	0.46830E-06	492213.5	3761124.5	686.2	3.49	4.00	3.25	YES
L0002643	0	0.46830E-06	492213.6	3761115.9	683.3	3.49	4.00	3.25	YES
L0002644	0	0.46830E-06	492213.6	3761107.3	680.6	3.49	4.00	3.25	YES
L0002645	0	0.46830E-06	492213.7	3761098.7	677.8	3.49	4.00	3.25	YES
L0002646	0	0.46830E-06	492213.7	3761090.1	675.0	3.49	4.00	3.25	YES
L0002647	0	0.46830E-06	492417.4	3761280.7	697.7	3.49	4.00	3.25	YES
L0002648	0	0.46830E-06	492417.5	3761272.1	699.0	3.49	4.00	3.25	YES
L0002649	0	0.46830E-06	492417.6	3761263.5	699.9	3.49	4.00	3.25	YES
L0002650	0	0.46830E-06	492417.7	3761254.9	699.9	3.49	4.00	3.25	YES
L0002651	0	0.46830E-06	492417.8	3761246.3	699.9	3.49	4.00	3.25	YES
L0002652	0	0.46830E-06	492417.9	3761237.7	700.0	3.49	4.00	3.25	YES
L0002653	0	0.46830E-06	492417.9	3761229.1	697.5	3.49	4.00	3.25	YES
L0002654	0	0.46830E-06	492418.0	3761220.5	694.5	3.49	4.00	3.25	YES
L0002655	0	0.46830E-06	492418.1	3761212.0	691.5	3.49	4.00	3.25	YES
L0002656	0	0.46830E-06	492418.2	3761203.4	690.3	3.49	4.00	3.25	YES
L0002657	0	0.46830E-06	492418.3	3761194.8	692.6	3.49	4.00	3.25	YES
L0002658	0	0.46830E-06	492418.4	3761186.2	694.8	3.49	4.00	3.25	YES
L0002659	0	0.46830E-06	492418.5	3761177.6	697.0	3.49	4.00	3.25	YES
L0002660	0	0.46830E-06	492418.6	3761169.0	697.4	3.49	4.00	3.25	YES
L0002661	0	0.46830E-06	492418.7	3761160.4	697.5	3.49	4.00	3.25	YES
L0002662	0	0.46830E-06	492418.7	3761151.8	697.6	3.49	4.00	3.25	YES
L0002663	0	0.46830E-06	492418.8	3761143.2	697.2	3.49	4.00	3.25	YES
L0002664	0	0.46830E-06	492418.9	3761134.6	696.1	3.49	4.00	3.25	YES

L0002665 0 0.46830E-06 492419.0 3761126.1 694.9 3.49 4.00 3.25
YES NO
L0002666 0 0.46830E-06 492419.1 3761117.5 693.8 3.49 4.00 3.25
YES NO
L0002667 0 0.46830E-06 492419.2 3761108.9 692.8 3.49 4.00 3.25
YES NO
L0002668 0 0.46830E-06 492419.3 3761100.3 691.7 3.49 4.00 3.25
YES NO
L0002669 0 0.46830E-06 492419.4 3761091.7 690.7 3.49 4.00 3.25
YES NO
L0002670 0 0.13810E-06 492071.1 3761299.7 682.5 3.49 4.00 3.25
YES NO
L0002671 0 0.13810E-06 492079.7 3761299.7 682.4 3.49 4.00 3.25
YES NO
L0002672 0 0.13810E-06 492088.3 3761299.7 682.2 3.49 4.00 3.25
YES NO
L0002673 0 0.13810E-06 492096.9 3761299.7 682.1 3.49 4.00 3.25
YES NO
L0002674 0 0.13810E-06 492105.5 3761299.7 682.5 3.49 4.00 3.25
YES NO
L0002675 0 0.13810E-06 492114.1 3761299.7 683.3 3.49 4.00 3.25
YES NO
L0002676 0 0.13810E-06 492122.7 3761299.7 684.2 3.49 4.00 3.25
YES NO
L0002677 0 0.13810E-06 492131.3 3761299.7 685.1 3.49 4.00 3.25
YES NO
L0002678 0 0.13810E-06 492139.9 3761299.7 687.2 3.49 4.00 3.25
YES NO
L0002679 0 0.13810E-06 492148.4 3761299.7 689.2 3.49 4.00 3.25
YES NO
L0002680 0 0.13810E-06 492157.0 3761299.7 691.3 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0002681	0	0.13810E-06		492165.6	3761299.7	692.6	3.49	4.00	3.25	
YES		NO								
L0002682	0	0.13810E-06		492174.2	3761299.7	693.5	3.49	4.00	3.25	
YES		NO								
L0002683	0	0.29920E-06		492089.3	3761261.5	683.5	3.49	4.00	3.25	
YES		NO								
L0002684	0	0.29920E-06		492096.4	3761256.7	682.8	3.49	4.00	3.25	
YES		NO								
L0002685	0	0.29920E-06		492103.4	3761251.8	681.8	3.49	4.00	3.25	
YES		NO								
L0002686	0	0.29920E-06		492109.1	3761245.4	680.2	3.49	4.00	3.25	
YES		NO								
L0002687	0	0.29920E-06		492114.6	3761238.8	678.2	3.49	4.00	3.25	
YES		NO								

L0002688	0	0.29920E-06	492120.0	3761232.2	675.6	3.49	4.00	3.25
YES		NO						
L0002689	0	0.69040E-07	492174.9	3761165.9	688.7	3.49	4.00	3.25
YES		NO						
L0002690	0	0.69040E-07	492174.9	3761174.5	687.7	3.49	4.00	3.25
YES		NO						
L0002691	0	0.69040E-07	492174.8	3761183.1	684.1	3.49	4.00	3.25
YES		NO						
L0002692	0	0.69040E-07	492174.8	3761191.7	679.8	3.49	4.00	3.25
YES		NO						
L0002693	0	0.69040E-07	492174.7	3761200.3	675.5	3.49	4.00	3.25
YES		NO						
L0002694	0	0.69040E-07	492174.7	3761208.9	672.6	3.49	4.00	3.25
YES		NO						
L0002695	0	0.69040E-07	492174.7	3761217.5	673.0	3.49	4.00	3.25
YES		NO						
L0002696	0	0.69040E-07	492174.6	3761226.1	673.4	3.49	4.00	3.25
YES		NO						
L0002697	0	0.69040E-07	492174.6	3761234.7	673.8	3.49	4.00	3.25
YES		NO						
L0002698	0	0.69040E-07	492174.5	3761243.3	677.1	3.49	4.00	3.25
YES		NO						
L0002699	0	0.69040E-07	492174.5	3761251.8	680.9	3.49	4.00	3.25
YES		NO						
L0002700	0	0.69040E-07	492174.4	3761260.4	684.8	3.49	4.00	3.25
YES		NO						
L0002701	0	0.69040E-07	492174.1	3761268.7	687.9	3.49	4.00	3.25
YES		NO						
L0002702	0	0.69040E-07	492165.5	3761269.0	687.1	3.49	4.00	3.25
YES		NO						
L0002703	0	0.69040E-07	492156.9	3761269.2	686.4	3.49	4.00	3.25
YES		NO						
L0002704	0	0.69040E-07	492156.1	3761261.5	683.6	3.49	4.00	3.25
YES		NO						
L0002705	0	0.69040E-07	492156.2	3761252.9	679.8	3.49	4.00	3.25
YES		NO						
L0002706	0	0.69040E-07	492156.3	3761244.3	676.0	3.49	4.00	3.25
YES		NO						
L0002707	0	0.69040E-07	492156.4	3761235.7	672.4	3.49	4.00	3.25
YES		NO						
L0002708	0	0.69040E-07	492156.5	3761227.1	672.4	3.49	4.00	3.25
YES		NO						
L0002709	0	0.69040E-07	492156.6	3761218.5	672.4	3.49	4.00	3.25
YES		NO						
L0002710	0	0.69040E-07	492156.7	3761210.0	672.5	3.49	4.00	3.25
YES		NO						
L0002711	0	0.69040E-07	492156.8	3761201.4	675.1	3.49	4.00	3.25
YES		NO						
L0002712	0	0.69040E-07	492156.9	3761192.8	679.5	3.49	4.00	3.25
YES		NO						
L0002713	0	0.69040E-07	492156.9	3761184.2	684.0	3.49	4.00	3.25
YES		NO						
L0002714	0	0.69040E-07	492157.0	3761175.6	688.2	3.49	4.00	3.25
YES		NO						
L0002715	0	0.74790E-07	492457.3	3761284.9	693.3	3.49	4.00	3.25
YES		NO						
L0002716	0	0.74790E-07	492457.3	3761276.3	695.5	3.49	4.00	3.25
YES		NO						
L0002717	0	0.74790E-07	492457.3	3761267.7	697.7	3.49	4.00	3.25
YES		NO						
L0002718	0	0.74790E-07	492457.4	3761259.1	698.5	3.49	4.00	3.25
YES		NO						
L0002719	0	0.74790E-07	492457.4	3761250.5	699.1	3.49	4.00	3.25
YES		NO						
L0002720	0	0.74790E-07	492457.5	3761241.9	699.6	3.49	4.00	3.25
YES		NO						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0002721	0	0.74790E-07	492457.5	3761233.3	699.9	3.49	4.00	3.25	YES	NO
L0002722	0	0.74790E-07	492457.6	3761224.7	699.4	3.49	4.00	3.25	YES	NO
L0002723	0	0.74790E-07	492457.6	3761216.1	699.0	3.49	4.00	3.25	YES	NO
L0002724	0	0.74790E-07	492457.6	3761207.6	698.6	3.49	4.00	3.25	YES	NO
L0002725	0	0.74790E-07	492457.7	3761199.0	698.2	3.49	4.00	3.25	YES	NO
L0002726	0	0.74790E-07	492457.7	3761190.4	697.7	3.49	4.00	3.25	YES	NO
L0002727	0	0.74790E-07	492457.8	3761181.8	697.3	3.49	4.00	3.25	YES	NO
L0002728	0	0.74790E-07	492457.8	3761173.2	697.0	3.49	4.00	3.25	YES	NO
L0002729	0	0.74790E-07	492457.9	3761164.6	697.0	3.49	4.00	3.25	YES	NO
L0002730	0	0.74790E-07	492457.9	3761156.0	697.0	3.49	4.00	3.25	YES	NO
L0002731	0	0.74790E-07	492457.9	3761147.4	697.1	3.49	4.00	3.25	YES	NO
L0002732	0	0.74790E-07	492458.0	3761138.8	696.5	3.49	4.00	3.25	YES	NO
L0002733	0	0.74790E-07	492458.0	3761130.2	695.9	3.49	4.00	3.25	YES	NO
L0002734	0	0.74790E-07	492458.1	3761121.7	695.3	3.49	4.00	3.25	YES	NO
L0002735	0	0.74790E-07	492458.1	3761113.1	695.2	3.49	4.00	3.25	YES	NO
L0002736	0	0.74790E-07	492458.2	3761104.5	696.0	3.49	4.00	3.25	YES	NO
L0002737	0	0.74790E-07	492458.2	3761095.9	696.8	3.49	4.00	3.25	YES	NO
L0002738	0	0.74790E-07	492458.3	3761087.3	697.6	3.49	4.00	3.25	YES	NO
L0002739	0	0.43080E-06	491978.3	3761505.9	683.0	3.49	4.00	3.25	YES	NO
L0002740	0	0.43080E-06	491986.8	3761506.0	683.0	3.49	4.00	3.25	YES	NO
L0002741	0	0.43080E-06	491995.4	3761506.0	683.0	3.49	4.00	3.25	YES	NO
L0002742	0	0.43080E-06	492004.0	3761506.1	683.0	3.49	4.00	3.25	YES	NO
L0002743	0	0.43080E-06	492012.6	3761506.1	683.0	3.49	4.00	3.25	YES	NO

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 L0002744         0   0.43080E-06  492021.2 3761506.2   683.0     3.49     4.00     3.25
 YES                    NO
 L0002745         0   0.43080E-06  492029.8 3761506.2   683.0     3.49     4.00     3.25
 YES                    NO
 L0002746         0   0.43080E-06  492038.4 3761506.3   683.0     3.49     4.00     3.25
 YES                    NO
 L0002747         0   0.43080E-06  492047.0 3761506.3   683.4     3.49     4.00     3.25
 YES                    NO
 L0002748         0   0.43080E-06  492055.6 3761506.4   684.0     3.49     4.00     3.25
 YES                    NO
 L0002749         0   0.43080E-06  492064.2 3761506.4   684.6     3.49     4.00     3.25
 YES                    NO
 L0002750         0   0.43080E-06  492072.7 3761506.5   685.0     3.49     4.00     3.25
 YES                    NO
 L0002751         0   0.43080E-06  492081.3 3761506.5   685.0     3.49     4.00     3.25
 YES                    NO
 L0002752         0   0.43080E-06  492089.9 3761506.6   685.0     3.49     4.00     3.25
 YES                    NO
 L0002753         0   0.43080E-06  492098.5 3761506.6   685.0     3.49     4.00     3.25
 YES                    NO
 L0002754         0   0.43080E-06  492107.1 3761506.7   685.4     3.49     4.00     3.25
 YES                    NO
 L0002755         0   0.43080E-06  492115.7 3761506.7   686.0     3.49     4.00     3.25
 YES                    NO
 L0002756         0   0.43080E-06  492124.3 3761506.8   686.5     3.49     4.00     3.25
 YES                    NO
 L0002757         0   0.43080E-06  492132.9 3761506.8   687.3     3.49     4.00     3.25
 YES                    NO
 L0002758         0   0.43080E-06  492141.5 3761506.9   688.4     3.49     4.00     3.25
 YES                    NO
 L0002759         0   0.43080E-06  492150.1 3761506.9   689.5     3.49     4.00     3.25
 YES                    NO
 L0002760         0   0.43080E-06  492158.6 3761507.0   690.7     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:35:31

                     PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 L0002761         0   0.43080E-06  492167.2 3761507.0   691.3     3.49     4.00     3.25
 YES                    NO
 L0002762         0   0.43080E-06  492175.8 3761507.1   691.9     3.49     4.00     3.25
 YES                    NO
 L0002763         0   0.43080E-06  492184.4 3761507.2   692.4     3.49     4.00     3.25
 YES                    NO
 L0002764         0   0.43080E-06  492193.0 3761507.2   692.5     3.49     4.00     3.25
 YES                    NO
 L0002765         0   0.43080E-06  492201.6 3761507.3   691.6     3.49     4.00     3.25
 YES                    NO
 L0002766         0   0.43080E-06  492210.2 3761507.3   690.8     3.49     4.00     3.25
 YES                    NO
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L0002767	0	0.43080E-06	492218.8	3761507.4	689.9	3.49	4.00	3.25
YES		NO						
L0002768	0	0.43080E-06	492227.4	3761507.4	688.8	3.49	4.00	3.25
YES		NO						
L0002769	0	0.43080E-06	492236.0	3761507.5	687.6	3.49	4.00	3.25
YES		NO						
L0002770	0	0.43080E-06	492244.5	3761507.5	686.5	3.49	4.00	3.25
YES		NO						
L0002771	0	0.43080E-06	492253.1	3761507.6	685.5	3.49	4.00	3.25
YES		NO						
L0002772	0	0.43080E-06	492261.7	3761507.6	685.0	3.49	4.00	3.25
YES		NO						
L0002773	0	0.43080E-06	492270.3	3761507.7	684.4	3.49	4.00	3.25
YES		NO						
L0002774	0	0.43080E-06	492278.9	3761507.7	683.8	3.49	4.00	3.25
YES		NO						
L0002775	0	0.43080E-06	492287.5	3761507.8	683.7	3.49	4.00	3.25
YES		NO						
L0002776	0	0.43080E-06	492296.1	3761507.8	683.7	3.49	4.00	3.25
YES		NO						
L0002777	0	0.43080E-06	492304.7	3761507.9	683.7	3.49	4.00	3.25
YES		NO						
L0002778	0	0.43080E-06	492313.3	3761507.9	683.7	3.49	4.00	3.25
YES		NO						
L0002779	0	0.43080E-06	492321.8	3761508.0	683.7	3.49	4.00	3.25
YES		NO						
L0002780	0	0.43080E-06	492330.4	3761508.0	683.6	3.49	4.00	3.25
YES		NO						
L0002781	0	0.43080E-06	492339.0	3761508.1	683.6	3.49	4.00	3.25
YES		NO						
L0002782	0	0.43080E-06	492347.6	3761508.1	683.5	3.49	4.00	3.25
YES		NO						
L0002783	0	0.43080E-06	492356.2	3761508.2	683.4	3.49	4.00	3.25
YES		NO						
L0002784	0	0.43080E-06	492364.8	3761508.2	683.4	3.49	4.00	3.25
YES		NO						
L0002785	0	0.43080E-06	492373.4	3761508.3	683.3	3.49	4.00	3.25
YES		NO						
L0002786	0	0.43080E-06	492382.0	3761508.4	683.3	3.49	4.00	3.25
YES		NO						
L0002787	0	0.43080E-06	492390.6	3761508.4	683.3	3.49	4.00	3.25
YES		NO						
L0002788	0	0.43080E-06	492399.2	3761508.5	683.3	3.49	4.00	3.25
YES		NO						
L0002789	0	0.10560E-06	492011.8	3761544.2	675.3	3.49	4.00	3.25
YES		NO						
L0002790	0	0.10560E-06	492020.4	3761544.3	676.1	3.49	4.00	3.25
YES		NO						
L0002791	0	0.10560E-06	492029.0	3761544.4	676.8	3.49	4.00	3.25
YES		NO						
L0002792	0	0.10560E-06	492037.6	3761544.5	677.6	3.49	4.00	3.25
YES		NO						
L0002793	0	0.10560E-06	492046.2	3761544.6	678.2	3.49	4.00	3.25
YES		NO						
L0002794	0	0.10560E-06	492054.8	3761544.7	678.6	3.49	4.00	3.25
YES		NO						
L0002795	0	0.10560E-06	492063.4	3761544.8	679.0	3.49	4.00	3.25
YES		NO						
L0002796	0	0.10560E-06	492072.0	3761544.9	679.3	3.49	4.00	3.25
YES		NO						
L0002797	0	0.10560E-06	492080.6	3761545.0	679.5	3.49	4.00	3.25
YES		NO						
L0002798	0	0.10560E-06	492089.1	3761545.1	679.7	3.49	4.00	3.25
YES		NO						
L0002799	0	0.10560E-06	492097.7	3761545.2	679.8	3.49	4.00	3.25
YES		NO						

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
L0002801	0	0.10560E-06	492114.9	3761545.4	680.3	3.49	4.00	3.25	YES NO
L0002802	0	0.10560E-06	492123.5	3761545.5	680.6	3.49	4.00	3.25	YES NO
L0002803	0	0.10560E-06	492132.1	3761545.6	681.0	3.49	4.00	3.25	YES NO
L0002804	0	0.10560E-06	492140.7	3761545.7	681.9	3.49	4.00	3.25	YES NO
L0002805	0	0.10560E-06	492149.3	3761545.8	682.9	3.49	4.00	3.25	YES NO
L0002806	0	0.10560E-06	492157.9	3761545.9	683.8	3.49	4.00	3.25	YES NO
L0002807	0	0.10560E-06	492166.4	3761546.0	684.0	3.49	4.00	3.25	YES NO
L0002808	0	0.10560E-06	492175.0	3761546.1	684.0	3.49	4.00	3.25	YES NO
L0002809	0	0.10560E-06	492183.6	3761546.2	684.0	3.49	4.00	3.25	YES NO
L0002810	0	0.10560E-06	492192.2	3761546.3	683.7	3.49	4.00	3.25	YES NO
L0002811	0	0.10560E-06	492200.8	3761546.4	682.4	3.49	4.00	3.25	YES NO
L0002812	0	0.10560E-06	492209.4	3761546.5	681.2	3.49	4.00	3.25	YES NO
L0002813	0	0.10560E-06	492218.0	3761546.6	679.9	3.49	4.00	3.25	YES NO
L0002814	0	0.10560E-06	492226.6	3761546.7	678.9	3.49	4.00	3.25	YES NO
L0002815	0	0.10560E-06	492235.2	3761546.8	678.0	3.49	4.00	3.25	YES NO
L0002816	0	0.10560E-06	492243.8	3761546.9	677.1	3.49	4.00	3.25	YES NO
L0002817	0	0.10560E-06	492252.3	3761547.0	676.4	3.49	4.00	3.25	YES NO
L0002818	0	0.10560E-06	492260.9	3761547.1	676.1	3.49	4.00	3.25	YES NO
L0002819	0	0.10560E-06	492269.5	3761547.2	675.8	3.49	4.00	3.25	YES NO
L0002820	0	0.10560E-06	492278.1	3761547.2	675.5	3.49	4.00	3.25	YES NO
L0002821	0	0.10560E-06	492286.7	3761547.3	675.9	3.49	4.00	3.25	YES NO
L0002822	0	0.10560E-06	492295.3	3761547.4	676.4	3.49	4.00	3.25	YES NO

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 L0002823         0   0.10560E-06  492303.9 3761547.5   677.0     3.49     4.00     3.25
 YES                    NO
 L0002824         0   0.10560E-06  492312.5 3761547.6   677.3     3.49     4.00     3.25
 YES                    NO
 L0002825         0   0.10560E-06  492321.1 3761547.7   676.8     3.49     4.00     3.25
 YES                    NO
 L0002826         0   0.10560E-06  492329.6 3761547.8   676.2     3.49     4.00     3.25
 YES                    NO
 L0002827         0   0.10560E-06  492328.4 3761554.2   675.4     3.49     4.00     3.25
 YES                    NO
 L0002828         0   0.10560E-06  492324.5 3761561.5   674.7     3.49     4.00     3.25
 YES                    NO
 L0002829         0   0.10560E-06  492315.9 3761561.5   675.3     3.49     4.00     3.25
 YES                    NO
 L0002830         0   0.10560E-06  492307.3 3761561.4   675.3     3.49     4.00     3.25
 YES                    NO
 L0002831         0   0.10560E-06  492298.7 3761561.4   674.3     3.49     4.00     3.25
 YES                    NO
 L0002832         0   0.10560E-06  492290.1 3761561.3   673.3     3.49     4.00     3.25
 YES                    NO
 L0002833         0   0.10560E-06  492281.6 3761561.3   672.3     3.49     4.00     3.25
 YES                    NO
 L0002834         0   0.10560E-06  492273.0 3761561.3   672.0     3.49     4.00     3.25
 YES                    NO
 L0002835         0   0.10560E-06  492264.4 3761561.2   671.9     3.49     4.00     3.25
 YES                    NO
 L0002836         0   0.10560E-06  492255.8 3761561.2   671.8     3.49     4.00     3.25
 YES                    NO
 L0002837         0   0.10560E-06  492247.2 3761561.2   672.0     3.49     4.00     3.25
 YES                    NO
 L0002838         0   0.10560E-06  492238.6 3761561.1   672.9     3.49     4.00     3.25
 YES                    NO
 L0002839         0   0.10560E-06  492230.0 3761561.1   673.7     3.49     4.00     3.25
 YES                    NO
 L0002840         0   0.10560E-06  492221.4 3761561.1   674.6     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

                      PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
     (METERS)             BY
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 L0002841         0   0.10560E-06  492212.8 3761561.0   676.3     3.49     4.00     3.25
 YES                    NO
 L0002842         0   0.10560E-06  492204.2 3761561.0   678.1     3.49     4.00     3.25
 YES                    NO
 L0002843         0   0.10560E-06  492195.7 3761560.9   679.9     3.49     4.00     3.25
 YES                    NO
 L0002844         0   0.10560E-06  492187.1 3761560.9   681.1     3.49     4.00     3.25
 YES                    NO
 L0002845         0   0.10560E-06  492178.5 3761560.9   681.1     3.49     4.00     3.25
 YES                    NO
```

L0002846	0	0.10560E-06	492169.9	3761560.8	681.1	3.49	4.00	3.25
YES		NO						
L0002847	0	0.10560E-06	492161.3	3761560.8	681.1	3.49	4.00	3.25
YES		NO						
L0002848	0	0.10560E-06	492152.7	3761560.8	680.1	3.49	4.00	3.25
YES		NO						
L0002849	0	0.10560E-06	492144.1	3761560.7	679.0	3.49	4.00	3.25
YES		NO						
L0002850	0	0.10560E-06	492135.5	3761560.7	678.0	3.49	4.00	3.25
YES		NO						
L0002851	0	0.10560E-06	492126.9	3761560.7	677.2	3.49	4.00	3.25
YES		NO						
L0002852	0	0.10560E-06	492118.3	3761560.6	676.9	3.49	4.00	3.25
YES		NO						
L0002853	0	0.10560E-06	492109.8	3761560.6	676.6	3.49	4.00	3.25
YES		NO						
L0002854	0	0.10560E-06	492101.2	3761560.5	676.4	3.49	4.00	3.25
YES		NO						
L0002855	0	0.10560E-06	492092.6	3761560.5	676.3	3.49	4.00	3.25
YES		NO						
L0002856	0	0.10560E-06	492084.0	3761560.5	676.2	3.49	4.00	3.25
YES		NO						
L0002857	0	0.12850E-05	493741.9	3761264.1	682.6	3.49	4.00	3.25
YES		NO						
L0002858	0	0.12850E-05	493735.8	3761258.0	682.0	3.49	4.00	3.25
YES		NO						
L0002859	0	0.12850E-05	493729.8	3761252.0	681.4	3.49	4.00	3.25
YES		NO						
L0002860	0	0.12850E-05	493723.7	3761245.9	680.8	3.49	4.00	3.25
YES		NO						
L0002861	0	0.12850E-05	493717.1	3761240.3	680.1	3.49	4.00	3.25
YES		NO						
L0002862	0	0.12850E-05	493710.4	3761235.0	679.6	3.49	4.00	3.25
YES		NO						
L0002863	0	0.12850E-05	493703.6	3761229.7	679.1	3.49	4.00	3.25
YES		NO						
L0002864	0	0.12850E-05	493696.9	3761224.4	678.7	3.49	4.00	3.25
YES		NO						
L0002865	0	0.12850E-05	493690.1	3761219.1	678.4	3.49	4.00	3.25
YES		NO						
L0002866	0	0.12850E-05	493682.5	3761215.3	678.0	3.49	4.00	3.25
YES		NO						
L0002867	0	0.12850E-05	493674.8	3761211.5	677.6	3.49	4.00	3.25
YES		NO						
L0002868	0	0.12850E-05	493667.0	3761207.7	677.2	3.49	4.00	3.25
YES		NO						
L0002869	0	0.12850E-05	493659.3	3761204.0	677.3	3.49	4.00	3.25
YES		NO						
L0002870	0	0.12850E-05	493651.6	3761200.2	677.7	3.49	4.00	3.25
YES		NO						
L0002871	0	0.12850E-05	493643.9	3761196.3	678.1	3.49	4.00	3.25
YES		NO						
L0002872	0	0.12850E-05	493636.8	3761191.6	678.7	3.49	4.00	3.25
YES		NO						
L0002873	0	0.12850E-05	493629.6	3761186.8	679.1	3.49	4.00	3.25
YES		NO						
L0002874	0	0.12850E-05	493622.4	3761182.1	678.9	3.49	4.00	3.25
YES		NO						
L0002875	0	0.12850E-05	493615.3	3761177.3	678.4	3.49	4.00	3.25
YES		NO						
L0002876	0	0.12850E-05	493608.1	3761172.6	677.7	3.49	4.00	3.25
YES		NO						
L0002877	0	0.12850E-05	493601.4	3761167.3	677.1	3.49	4.00	3.25
YES		NO						
L0002878	0	0.12850E-05	493594.7	3761161.9	676.6	3.49	4.00	3.25
YES		NO						

L0002879 0 0.12850E-05 493588.2 3761156.4 676.1 3.49 4.00 3.25
YES NO
L0002880 0 0.12850E-05 493582.6 3761149.8 675.8 3.49 4.00 3.25
YES NO
FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops CO\1 *** 05/22/24
*** AERMET - VERSION 16216 ***
*** *** 09:35:31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SOURCE SCALAR VARY BY
L0002881	0	0.12850E-05	493577.0	3761143.3	675.3	3.49	4.00	3.25	YES NO
L0002882	0	0.12850E-05	493571.4	3761136.8	674.8	3.49	4.00	3.25	YES NO
L0002883	0	0.12850E-05	493565.7	3761130.3	674.4	3.49	4.00	3.25	YES NO
L0002884	0	0.12850E-05	493560.0	3761123.9	674.1	3.49	4.00	3.25	YES NO
L0002885	0	0.12850E-05	493557.3	3761116.1	674.3	3.49	4.00	3.25	YES NO
L0002886	0	0.12850E-05	493556.1	3761107.6	675.1	3.49	4.00	3.25	YES NO
L0002887	0	0.12850E-05	493554.9	3761099.1	675.9	3.49	4.00	3.25	YES NO
L0002888	0	0.12850E-05	493553.7	3761090.6	676.6	3.49	4.00	3.25	YES NO
L0002889	0	0.12850E-05	493552.5	3761082.1	677.1	3.49	4.00	3.25	YES NO
L0002890	0	0.12850E-05	493551.3	3761073.6	677.4	3.49	4.00	3.25	YES NO
L0002891	0	0.12850E-05	493550.1	3761065.1	677.7	3.49	4.00	3.25	YES NO
L0002892	0	0.12850E-05	493548.9	3761056.6	678.1	3.49	4.00	3.25	YES NO
L0002893	0	0.12850E-05	493547.7	3761048.0	679.3	3.49	4.00	3.25	YES NO
L0002894	0	0.12850E-05	493546.5	3761039.5	680.3	3.49	4.00	3.25	YES NO
L0002895	0	0.12850E-05	493546.2	3761031.1	681.4	3.49	4.00	3.25	YES NO
L0002896	0	0.12850E-05	493548.9	3761023.0	683.4	3.49	4.00	3.25	YES NO
L0002897	0	0.12850E-05	493552.2	3761015.3	685.2	3.49	4.00	3.25	YES NO
L0002898	0	0.12850E-05	493560.0	3761011.6	688.6	3.49	4.00	3.25	YES NO
L0002899	0	0.12850E-05	493568.0	3761008.9	692.3	3.49	4.00	3.25	YES NO
L0002900	0	0.12850E-05	493576.5	3761007.7	694.4	3.49	4.00	3.25	YES NO
L0002901	0	0.12850E-05	493585.0	3761006.4	695.8	3.49	4.00	3.25	YES NO

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 L0002902         0   0.12850E-05  493593.5 3761005.1   697.0     3.49     4.00     3.25
 YES                    NO
 L0002903         0   0.12850E-05  493602.0 3761003.8   697.8     3.49     4.00     3.25
 YES                    NO
 L0002904         0   0.12850E-05  493610.5 3761002.5   697.0     3.49     4.00     3.25
 YES                    NO
 L0002905         0   0.12850E-05  493619.0 3761001.3   696.2     3.49     4.00     3.25
 YES                    NO
 L0002906         0   0.12850E-05  493627.5 3761000.0   695.4     3.49     4.00     3.25
 YES                    NO
 L0002907         0   0.12850E-05  493636.0 3760998.7   694.4     3.49     4.00     3.25
 YES                    NO
 L0002908         0   0.12850E-05  493644.5 3760997.4   693.2     3.49     4.00     3.25
 YES                    NO
 L0002909         0   0.12850E-05  493653.0 3760996.1   692.0     3.49     4.00     3.25
 YES                    NO
 L0002910         0   0.12850E-05  493661.5 3760994.9   690.5     3.49     4.00     3.25
 YES                    NO
 L0002911         0   0.12850E-05  493670.0 3760993.6   689.1     3.49     4.00     3.25
 YES                    NO
 L0002912         0   0.12850E-05  493678.5 3760992.3   687.8     3.49     4.00     3.25
 YES                    NO
 L0002913         0   0.12850E-05  493687.0 3760991.0   686.7     3.49     4.00     3.25
 YES                    NO
 L0002914         0   0.12850E-05  493695.5 3760989.7   686.7     3.49     4.00     3.25
 YES                    NO
 L0002915         0   0.12850E-05  493703.9 3760988.5   687.3     3.49     4.00     3.25
 YES                    NO
 L0002916         0   0.12850E-05  493712.4 3760987.2   687.9     3.49     4.00     3.25
 YES                    NO
 L0002917         0   0.12850E-05  493720.9 3760985.9   688.3     3.49     4.00     3.25
 YES                    NO
 L0002918         0   0.12850E-05  493729.4 3760984.6   688.4     3.49     4.00     3.25
 YES                    NO
 L0002919         0   0.12850E-05  493737.9 3760983.3   688.7     3.49     4.00     3.25
 YES                    NO
 L0002920         0   0.12850E-05  493746.4 3760982.1   688.9     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

                      PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
     (METERS)              BY
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 L0002921         0   0.12850E-05  493754.9 3760980.8   688.3     3.49     4.00     3.25
 YES                    NO
 L0002922         0   0.12850E-05  493763.4 3760979.5   687.0     3.49     4.00     3.25
 YES                    NO
 L0002923         0   0.12850E-05  493771.9 3760978.2   685.8     3.49     4.00     3.25
 YES                    NO
 L0002924         0   0.12850E-05  493780.4 3760976.9   684.7     3.49     4.00     3.25
 YES                    NO
```

L0002925	0	0.12850E-05	493788.9	3760975.7	683.7	3.49	4.00	3.25
YES		NO						
L0002926	0	0.12850E-05	493797.4	3760974.4	682.7	3.49	4.00	3.25
YES		NO						
L0002927	0	0.12850E-05	493805.9	3760973.1	681.7	3.49	4.00	3.25
YES		NO						
L0002928	0	0.12850E-05	493814.4	3760971.8	681.2	3.49	4.00	3.25
YES		NO						
L0002929	0	0.12850E-05	493822.9	3760970.5	681.1	3.49	4.00	3.25
YES		NO						
L0002930	0	0.12850E-05	493831.4	3760969.3	681.0	3.49	4.00	3.25
YES		NO						
L0002931	0	0.12850E-05	493839.9	3760968.0	681.0	3.49	4.00	3.25
YES		NO						
L0002932	0	0.12850E-05	493848.3	3760966.7	681.3	3.49	4.00	3.25
YES		NO						
L0002933	0	0.12850E-05	493856.8	3760965.4	681.5	3.49	4.00	3.25
YES		NO						
L0002934	0	0.12850E-05	493865.3	3760964.1	681.7	3.49	4.00	3.25
YES		NO						
L0002935	0	0.12850E-05	493873.8	3760962.9	681.9	3.49	4.00	3.25
YES		NO						
L0002936	0	0.12850E-05	493882.3	3760961.6	682.0	3.49	4.00	3.25
YES		NO						
L0002937	0	0.12850E-05	493890.8	3760960.3	682.1	3.49	4.00	3.25
YES		NO						
L0002938	0	0.12850E-05	493899.3	3760959.0	682.2	3.49	4.00	3.25
YES		NO						
L0002939	0	0.12850E-05	493907.8	3760957.7	682.2	3.49	4.00	3.25
YES		NO						
L0002940	0	0.12850E-05	493916.3	3760956.5	682.2	3.49	4.00	3.25
YES		NO						
L0002941	0	0.12850E-05	493924.8	3760955.2	682.2	3.49	4.00	3.25
YES		NO						
L0002942	0	0.12850E-05	493933.3	3760953.9	682.5	3.49	4.00	3.25
YES		NO						
L0002943	0	0.12850E-05	493941.8	3760952.6	683.2	3.49	4.00	3.25
YES		NO						
L0002944	0	0.12850E-05	493950.3	3760951.3	684.0	3.49	4.00	3.25
YES		NO						
L0002945	0	0.12850E-05	493958.8	3760950.1	684.8	3.49	4.00	3.25
YES		NO						
L0002946	0	0.12850E-05	493967.3	3760948.8	685.5	3.49	4.00	3.25
YES		NO						
L0002947	0	0.12850E-05	493975.8	3760947.5	686.3	3.49	4.00	3.25
YES		NO						
L0002948	0	0.12850E-05	493984.2	3760946.2	687.1	3.49	4.00	3.25
YES		NO						
L0002949	0	0.12850E-05	493992.7	3760944.9	687.9	3.49	4.00	3.25
YES		NO						
L0002950	0	0.12850E-05	494001.2	3760943.7	689.1	3.49	4.00	3.25
YES		NO						
L0002951	0	0.12850E-05	494009.7	3760942.4	690.4	3.49	4.00	3.25
YES		NO						
L0002952	0	0.12850E-05	494018.2	3760941.1	691.7	3.49	4.00	3.25
YES		NO						
L0002953	0	0.12850E-05	494026.7	3760939.8	692.4	3.49	4.00	3.25
YES		NO						
L0002954	0	0.12850E-05	494035.2	3760938.5	692.9	3.49	4.00	3.25
YES		NO						
L0002955	0	0.12850E-05	494043.7	3760937.3	693.5	3.49	4.00	3.25
YES		NO						
L0002956	0	0.12850E-05	494052.2	3760936.0	694.1	3.49	4.00	3.25
YES		NO						
L0002957	0	0.12850E-05	494060.7	3760934.7	694.4	3.49	4.00	3.25
YES		NO						

L0002958 0 0.12850E-05 494069.2 3760933.4 694.7 3.49 4.00 3.25
YES NO
L0002959 0 0.12850E-05 494077.7 3760932.1 694.9 3.49 4.00 3.25
YES NO
L0002960 0 0.12850E-05 494079.5 3760925.3 695.0 3.49 4.00 3.25
YES NO
FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa Verde\15218 Ops CO\1 *** 05/22/24
*** AERMET - VERSION 16216 ***
*** *** 09:35:31

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SOURCE SCALAR VARY BY
L0002961	0	0.12850E-05	494079.6	3760916.8	695.0	3.49	4.00	3.25	YES NO
L0002962	0	0.12850E-05	494081.2	3760908.3	694.9	3.49	4.00	3.25	YES NO
L0002963	0	0.12850E-05	494084.2	3760900.4	694.2	3.49	4.00	3.25	YES NO
L0002964	0	0.12850E-05	494089.8	3760895.1	693.4	3.49	4.00	3.25	YES NO
L0002965	0	0.12850E-05	494098.3	3760894.4	692.9	3.49	4.00	3.25	YES NO
L0002966	0	0.12850E-05	494106.6	3760896.6	692.6	3.49	4.00	3.25	YES NO
L0002967	0	0.12850E-05	494114.9	3760898.8	692.3	3.49	4.00	3.25	YES NO
L0002968	0	0.12850E-05	494123.2	3760900.9	691.9	3.49	4.00	3.25	YES NO
L0002969	0	0.12850E-05	494131.2	3760904.0	691.6	3.49	4.00	3.25	YES NO
L0002970	0	0.12850E-05	494139.2	3760907.3	691.1	3.49	4.00	3.25	YES NO
L0002971	0	0.12850E-05	494147.1	3760910.5	691.3	3.49	4.00	3.25	YES NO
L0002972	0	0.12850E-05	494155.1	3760913.8	691.6	3.49	4.00	3.25	YES NO
L0002973	0	0.12850E-05	494163.0	3760917.0	691.8	3.49	4.00	3.25	YES NO
L0002974	0	0.12850E-05	494171.0	3760920.3	692.0	3.49	4.00	3.25	YES NO
L0002975	0	0.12850E-05	494178.9	3760923.5	692.0	3.49	4.00	3.25	YES NO
L0002976	0	0.12850E-05	494186.9	3760926.7	692.0	3.49	4.00	3.25	YES NO
L0002977	0	0.12850E-05	494194.8	3760930.0	692.0	3.49	4.00	3.25	YES NO
L0002978	0	0.12850E-05	494202.8	3760933.2	692.2	3.49	4.00	3.25	YES NO
L0002979	0	0.12850E-05	494210.7	3760936.5	692.7	3.49	4.00	3.25	YES NO
L0002980	0	0.12850E-05	494218.7	3760939.7	693.1	3.49	4.00	3.25	YES NO

```
 L0002981         0   0.12850E-05  494226.6 3760943.0   693.6     3.49     4.00     3.25
 YES                    NO
 L0002982         0   0.12850E-05  494234.6 3760946.2   693.9     3.49     4.00     3.25
 YES                    NO
 L0002983         0   0.12850E-05  494242.0 3760950.6   694.1     3.49     4.00     3.25
 YES                    NO
 L0002984         0   0.12850E-05  494249.1 3760955.3   694.4     3.49     4.00     3.25
 YES                    NO
 L0002985         0   0.12850E-05  494256.3 3760960.0   694.8     3.49     4.00     3.25
 YES                    NO
 L0002986         0   0.12850E-05  494263.5 3760964.8   695.1     3.49     4.00     3.25
 YES                    NO
 L0002987         0   0.12850E-05  494270.6 3760969.5   695.3     3.49     4.00     3.25
 YES                    NO
 L0002988         0   0.12850E-05  494277.4 3760974.8   695.4     3.49     4.00     3.25
 YES                    NO
 L0002989         0   0.12850E-05  494284.2 3760980.1   695.7     3.49     4.00     3.25
 YES                    NO
 L0002990         0   0.12850E-05  494290.9 3760985.4   696.0     3.49     4.00     3.25
 YES                    NO
 L0002991         0   0.12850E-05  494297.7 3760990.7   696.6     3.49     4.00     3.25
 YES                    NO
 L0002992         0   0.12850E-05  494304.4 3760996.0   697.4     3.49     4.00     3.25
 YES                    NO
 L0002993         0   0.12850E-05  494311.2 3761001.3   698.5     3.49     4.00     3.25
 YES                    NO
 L0002994         0   0.12850E-05  494318.0 3761006.5   699.8     3.49     4.00     3.25
 YES                    NO
 L0002995         0   0.12850E-05  494324.8 3761011.8   701.1     3.49     4.00     3.25
 YES                    NO
 L0002996         0   0.37370E-07  493401.1 3761576.4   701.2     3.49     4.00     3.25
 YES                    NO
 L0002997         0   0.37370E-07  493406.0 3761569.3   700.0     3.49     4.00     3.25
 YES                    NO
 L0002998         0   0.37370E-07  493410.9 3761562.3   698.7     3.49     4.00     3.25
 YES                    NO
 L0002999         0   0.37370E-07  493412.5 3761554.0   697.3     3.49     4.00     3.25
 YES                    NO
 L0003000         0   0.37370E-07  493413.4 3761545.4   695.9     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:35:31

                     PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
  SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
  SOURCE  SCALAR VARY
    ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
    (METERS)             BY
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 L0003001         0   0.37370E-07  493414.3 3761536.9   694.5     3.49     4.00     3.25
 YES                    NO
 L0003002         0   0.37370E-07  493415.1 3761528.3   692.6     3.49     4.00     3.25
 YES                    NO
 L0003003         0   0.37370E-07  493415.4 3761519.8   690.7     3.49     4.00     3.25
 YES                    NO
```

L0003004	0	0.37370E-07	493415.3	3761511.2	688.8	3.49	4.00	3.25
YES		NO						
L0003005	0	0.37370E-07	493415.3	3761502.6	687.1	3.49	4.00	3.25
YES		NO						
L0003006	0	0.37370E-07	493415.2	3761494.0	685.6	3.49	4.00	3.25
YES		NO						
L0003007	0	0.37370E-07	493415.2	3761485.4	684.2	3.49	4.00	3.25
YES		NO						
L0003008	0	0.37370E-07	493415.2	3761476.8	682.8	3.49	4.00	3.25
YES		NO						
L0003009	0	0.37370E-07	493415.1	3761468.2	682.9	3.49	4.00	3.25
YES		NO						
L0003010	0	0.37370E-07	493415.1	3761459.6	683.1	3.49	4.00	3.25
YES		NO						
L0003011	0	0.37370E-07	493415.0	3761451.1	683.3	3.49	4.00	3.25
YES		NO						
L0003012	0	0.37370E-07	493415.0	3761442.5	683.4	3.49	4.00	3.25
YES		NO						
L0003013	0	0.37370E-07	493414.9	3761433.9	683.1	3.49	4.00	3.25
YES		NO						
L0003014	0	0.37370E-07	493414.9	3761425.3	682.9	3.49	4.00	3.25
YES		NO						
L0003015	0	0.37370E-07	493414.8	3761416.7	682.6	3.49	4.00	3.25
YES		NO						
L0003016	0	0.37370E-07	493414.8	3761408.1	682.6	3.49	4.00	3.25
YES		NO						
L0003017	0	0.37370E-07	493414.7	3761399.5	682.6	3.49	4.00	3.25
YES		NO						
L0003018	0	0.37370E-07	493414.7	3761390.9	682.6	3.49	4.00	3.25
YES		NO						
L0003019	0	0.37370E-07	493414.7	3761382.3	682.6	3.49	4.00	3.25
YES		NO						
L0003020	0	0.37370E-07	493414.6	3761373.7	682.5	3.49	4.00	3.25
YES		NO						
L0003021	0	0.37370E-07	493414.6	3761365.2	682.5	3.49	4.00	3.25
YES		NO						
L0003022	0	0.37370E-07	493414.5	3761356.6	682.4	3.49	4.00	3.25
YES		NO						
L0003023	0	0.37370E-07	493414.5	3761348.0	682.0	3.49	4.00	3.25
YES		NO						
L0003024	0	0.37370E-07	493414.4	3761339.4	681.5	3.49	4.00	3.25
YES		NO						
L0003025	0	0.37370E-07	493414.4	3761330.8	681.0	3.49	4.00	3.25
YES		NO						
L0003026	0	0.37370E-07	493416.5	3761322.8	680.6	3.49	4.00	3.25
YES		NO						
L0003027	0	0.37370E-07	493420.8	3761315.4	679.9	3.49	4.00	3.25
YES		NO						
L0003028	0	0.37370E-07	493429.4	3761315.5	680.1	3.49	4.00	3.25
YES		NO						
L0003029	0	0.37370E-07	493438.0	3761315.5	680.3	3.49	4.00	3.25
YES		NO						
L0003030	0	0.37370E-07	493446.6	3761315.6	680.6	3.49	4.00	3.25
YES		NO						
L0003031	0	0.37370E-07	493455.1	3761315.6	681.0	3.49	4.00	3.25
YES		NO						
L0003032	0	0.37370E-07	493463.7	3761315.6	681.7	3.49	4.00	3.25
YES		NO						
L0003033	0	0.37370E-07	493472.3	3761315.7	682.4	3.49	4.00	3.25
YES		NO						
L0003034	0	0.37370E-07	493480.9	3761315.7	683.0	3.49	4.00	3.25
YES		NO						
L0003035	0	0.37370E-07	493489.5	3761315.8	683.0	3.49	4.00	3.25
YES		NO						
L0003036	0	0.37370E-07	493498.1	3761315.8	683.0	3.49	4.00	3.25
YES		NO						

L0003037 0 0.37370E-07 493506.7 3761315.9 683.0 3.49 4.00 3.25
YES NO
L0003038 0 0.37370E-07 493515.3 3761315.9 682.8 3.49 4.00 3.25
YES NO
L0003039 0 0.37370E-07 493523.8 3761315.8 682.5 3.49 4.00 3.25
YES NO
L0003040 0 0.37370E-07 493531.5 3761311.9 682.3 3.49 4.00 3.25
YES NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
L0003041	0	0.37370E-07	493537.6	3761306.3	682.1	3.49	4.00	3.25	
YES		NO							
L0003042	0	0.37370E-07	493542.3	3761299.1	681.9	3.49	4.00	3.25	
YES		NO							
L0003043	0	0.37370E-07	493547.1	3761292.0	681.4	3.49	4.00	3.25	
YES		NO							
L0003044	0	0.37370E-07	493551.8	3761284.8	680.8	3.49	4.00	3.25	
YES		NO							
L0003045	0	0.54710E-07	493101.1	3761507.4	686.5	3.49	4.00	3.25	
YES		NO							
L0003046	0	0.54710E-07	493101.1	3761498.8	685.9	3.49	4.00	3.25	
YES		NO							
L0003047	0	0.54710E-07	493101.1	3761490.2	685.3	3.49	4.00	3.25	
YES		NO							
L0003048	0	0.54710E-07	493101.1	3761481.6	684.7	3.49	4.00	3.25	
YES		NO							
L0003049	0	0.54710E-07	493101.1	3761473.0	684.3	3.49	4.00	3.25	
YES		NO							
L0003050	0	0.54710E-07	493101.1	3761464.4	684.1	3.49	4.00	3.25	
YES		NO							
L0003051	0	0.54710E-07	493101.1	3761455.8	683.9	3.49	4.00	3.25	
YES		NO							
L0003052	0	0.54710E-07	493101.1	3761447.3	683.7	3.49	4.00	3.25	
YES		NO							
L0003053	0	0.54710E-07	493101.1	3761438.7	683.7	3.49	4.00	3.25	
YES		NO							
L0003054	0	0.54710E-07	493101.1	3761430.1	683.7	3.49	4.00	3.25	
YES		NO							
L0003055	0	0.54710E-07	493101.1	3761421.5	683.7	3.49	4.00	3.25	
YES		NO							
L0003056	0	0.54710E-07	493101.1	3761412.9	683.6	3.49	4.00	3.25	
YES		NO							
L0003057	0	0.54710E-07	493101.1	3761404.3	683.4	3.49	4.00	3.25	
YES		NO							
L0003058	0	0.54710E-07	493101.1	3761395.7	683.2	3.49	4.00	3.25	
YES		NO							
L0003059	0	0.54710E-07	493101.1	3761387.1	683.0	3.49	4.00	3.25	
YES		NO							

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 L0003060         0   0.54710E-07  493101.1 3761378.5   683.0     3.49     4.00     3.25
 YES                    NO
 L0003061         0   0.54710E-07  493101.1 3761369.9   683.0     3.49     4.00     3.25
 YES                    NO
 L0003062         0   0.54710E-07  493101.1 3761361.4   683.0     3.49     4.00     3.25
 YES                    NO
 L0003063         0   0.54710E-07  493101.1 3761352.8   683.0     3.49     4.00     3.25
 YES                    NO
 L0003064         0   0.54710E-07  493101.1 3761344.2   683.0     3.49     4.00     3.25
 YES                    NO
 L0003065         0   0.54710E-07  493101.2 3761335.6   683.0     3.49     4.00     3.25
 YES                    NO
 L0003066         0   0.54710E-07  493101.2 3761327.0   683.0     3.49     4.00     3.25
 YES                    NO
 L0003067         0   0.54710E-07  493101.2 3761318.4   684.3     3.49     4.00     3.25
 YES                    NO
 L0003068         0   0.54710E-07  493101.2 3761309.8   685.8     3.49     4.00     3.25
 YES                    NO
 L0003069         0   0.54710E-07  493101.2 3761301.2   687.3     3.49     4.00     3.25
 YES                    NO
 L0003070         0   0.54710E-07  493101.3 3761292.6   687.8     3.49     4.00     3.25
 YES                    NO
 L0003071         0   0.54710E-07  493101.3 3761284.0   686.9     3.49     4.00     3.25
 YES                    NO
 L0003072         0   0.54710E-07  493101.3 3761275.5   685.9     3.49     4.00     3.25
 YES                    NO
 L0003073         0   0.54710E-07  493101.3 3761266.9   685.0     3.49     4.00     3.25
 YES                    NO
 L0003074         0   0.54710E-07  493101.3 3761258.3   684.3     3.49     4.00     3.25
 YES                    NO
 L0003075         0   0.54710E-07  493101.4 3761249.7   683.7     3.49     4.00     3.25
 YES                    NO
 L0003076         0   0.54710E-07  493101.4 3761241.1   683.0     3.49     4.00     3.25
 YES                    NO
 L0003077         0   0.54710E-07  493101.4 3761232.5   682.7     3.49     4.00     3.25
 YES                    NO
 L0003078         0   0.54710E-07  493101.4 3761223.9   682.9     3.49     4.00     3.25
 YES                    NO
 L0003079         0   0.54710E-07  493101.4 3761215.3   683.1     3.49     4.00     3.25
 YES                    NO
 L0003080         0   0.54710E-07  493101.4 3761206.7   683.4     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

                     PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
     (METERS)             BY
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 L0003081         0   0.54710E-07  493101.5 3761198.1   683.6     3.49     4.00     3.25
 YES                    NO
 L0003082         0   0.54710E-07  493101.5 3761189.6   683.9     3.49     4.00     3.25
 YES                    NO
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L0003083	0	0.54710E-07	493101.5	3761181.0	684.2	3.49	4.00	3.25
YES		NO						
L0003084	0	0.54710E-07	493101.5	3761172.4	684.4	3.49	4.00	3.25
YES		NO						
L0003085	0	0.54710E-07	493101.5	3761163.8	684.4	3.49	4.00	3.25
YES		NO						
L0003086	0	0.54710E-07	493101.6	3761155.2	684.4	3.49	4.00	3.25
YES		NO						
L0003087	0	0.54710E-07	493101.6	3761146.6	684.4	3.49	4.00	3.25
YES		NO						
L0003088	0	0.54710E-07	493101.6	3761138.0	684.4	3.49	4.00	3.25
YES		NO						
L0003089	0	0.54710E-07	493101.6	3761129.4	684.4	3.49	4.00	3.25
YES		NO						
L0003090	0	0.54710E-07	493101.7	3761120.8	684.4	3.49	4.00	3.25
YES		NO						
L0003091	0	0.54710E-07	493101.8	3761112.2	684.2	3.49	4.00	3.25
YES		NO						
L0003092	0	0.54710E-07	493101.9	3761103.7	683.8	3.49	4.00	3.25
YES		NO						
L0003093	0	0.54710E-07	493102.0	3761095.1	683.4	3.49	4.00	3.25
YES		NO						
L0003094	0	0.54710E-07	493102.0	3761086.5	683.0	3.49	4.00	3.25
YES		NO						
L0003095	0	0.54710E-07	493102.1	3761077.9	682.7	3.49	4.00	3.25
YES		NO						
L0003096	0	0.54710E-07	493102.2	3761069.3	682.3	3.49	4.00	3.25
YES		NO						
L0003097	0	0.54710E-07	493102.3	3761060.7	682.0	3.49	4.00	3.25
YES		NO						
L0003098	0	0.54710E-07	493102.3	3761052.1	681.8	3.49	4.00	3.25
YES		NO						
L0003099	0	0.54710E-07	493102.4	3761043.5	681.8	3.49	4.00	3.25
YES		NO						
L0003100	0	0.54710E-07	493102.5	3761034.9	681.8	3.49	4.00	3.25
YES		NO						
L0003101	0	0.54710E-07	493102.6	3761026.3	681.7	3.49	4.00	3.25
YES		NO						
L0003102	0	0.54710E-07	493102.6	3761017.8	679.4	3.49	4.00	3.25
YES		NO						
L0003103	0	0.54610E-07	493332.1	3761520.6	690.4	3.49	4.00	3.25
YES		NO						
L0003104	0	0.54610E-07	493336.6	3761513.3	688.9	3.49	4.00	3.25
YES		NO						
L0003105	0	0.54610E-07	493341.0	3761505.9	687.2	3.49	4.00	3.25
YES		NO						
L0003106	0	0.54610E-07	493345.5	3761498.6	686.2	3.49	4.00	3.25
YES		NO						
L0003107	0	0.54610E-07	493350.0	3761491.2	685.2	3.49	4.00	3.25
YES		NO						
L0003108	0	0.54610E-07	493353.5	3761483.6	684.2	3.49	4.00	3.25
YES		NO						
L0003109	0	0.54610E-07	493353.5	3761475.1	683.4	3.49	4.00	3.25
YES		NO						
L0003110	0	0.54610E-07	493353.5	3761466.5	683.1	3.49	4.00	3.25
YES		NO						
L0003111	0	0.54610E-07	493353.5	3761457.9	682.8	3.49	4.00	3.25
YES		NO						
L0003112	0	0.54610E-07	493353.5	3761449.3	682.5	3.49	4.00	3.25
YES		NO						
L0003113	0	0.54610E-07	493353.6	3761440.7	682.3	3.49	4.00	3.25
YES		NO						
L0003114	0	0.54610E-07	493353.6	3761432.1	682.0	3.49	4.00	3.25
YES		NO						
L0003115	0	0.54610E-07	493353.6	3761423.5	681.7	3.49	4.00	3.25
YES		NO						

L0003116 0 0.54610E-07 493353.6 3761414.9 681.5 3.49 4.00 3.25
YES NO
L0003117 0 0.54610E-07 493353.6 3761406.3 681.5 3.49 4.00 3.25
YES NO
L0003118 0 0.54610E-07 493353.6 3761397.7 681.6 3.49 4.00 3.25
YES NO
L0003119 0 0.54610E-07 493353.6 3761389.2 681.6 3.49 4.00 3.25
YES NO
L0003120 0 0.54610E-07 493353.7 3761380.6 681.4 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0003121	0	0.54610E-07	493353.7	3761372.0	681.1	3.49	4.00	3.25	YES NO
L0003122	0	0.54610E-07	493353.7	3761363.4	680.7	3.49	4.00	3.25	YES NO
L0003123	0	0.54610E-07	493353.7	3761354.8	680.4	3.49	4.00	3.25	YES NO
L0003124	0	0.54610E-07	493353.7	3761346.2	680.4	3.49	4.00	3.25	YES NO
L0003125	0	0.54610E-07	493353.7	3761337.6	680.4	3.49	4.00	3.25	YES NO
L0003126	0	0.54610E-07	493353.7	3761329.0	680.3	3.49	4.00	3.25	YES NO
L0003127	0	0.54610E-07	493353.8	3761320.4	682.5	3.49	4.00	3.25	YES NO
L0003128	0	0.54610E-07	493353.8	3761311.8	685.8	3.49	4.00	3.25	YES NO
L0003129	0	0.54610E-07	493353.8	3761303.3	689.1	3.49	4.00	3.25	YES NO
L0003130	0	0.54610E-07	493353.8	3761294.7	691.6	3.49	4.00	3.25	YES NO
L0003131	0	0.54610E-07	493353.8	3761286.1	690.8	3.49	4.00	3.25	YES NO
L0003132	0	0.54610E-07	493353.8	3761277.5	690.0	3.49	4.00	3.25	YES NO
L0003133	0	0.54610E-07	493353.8	3761268.9	689.3	3.49	4.00	3.25	YES NO
L0003134	0	0.54610E-07	493353.8	3761260.3	688.6	3.49	4.00	3.25	YES NO
L0003135	0	0.54610E-07	493353.9	3761251.7	688.1	3.49	4.00	3.25	YES NO
L0003136	0	0.54610E-07	493353.9	3761243.1	687.6	3.49	4.00	3.25	YES NO
L0003137	0	0.54610E-07	493353.9	3761234.5	686.5	3.49	4.00	3.25	YES NO
L0003138	0	0.54610E-07	493353.9	3761225.9	683.1	3.49	4.00	3.25	YES NO

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 L0003139         0   0.54610E-07  493353.9 3761217.4   679.8     3.49     4.00     3.25
 YES                    NO
 L0003140         0   0.54610E-07  493353.9 3761208.8   676.5     3.49     4.00     3.25
 YES                    NO
 L0003141         0   0.54610E-07  493353.9 3761200.2   675.0     3.49     4.00     3.25
 YES                    NO
 L0003142         0   0.54610E-07  493354.0 3761191.6   674.4     3.49     4.00     3.25
 YES                    NO
 L0003143         0   0.54610E-07  493354.0 3761183.0   673.8     3.49     4.00     3.25
 YES                    NO
 L0003144         0   0.54610E-07  493354.0 3761174.4   673.1     3.49     4.00     3.25
 YES                    NO
 L0003145         0   0.54610E-07  493354.0 3761165.8   672.3     3.49     4.00     3.25
 YES                    NO
 L0003146         0   0.54610E-07  493354.0 3761157.2   671.5     3.49     4.00     3.25
 YES                    NO
 L0003147         0   0.54610E-07  493357.0 3761149.3   670.0     3.49     4.00     3.25
 YES                    NO
 L0003148         0   0.54610E-07  493360.6 3761141.5   668.7     3.49     4.00     3.25
 YES                    NO
 L0003149         0   0.54840E-07  492801.2 3761509.9   683.1     3.49     4.00     3.25
 YES                    NO
 L0003150         0   0.54840E-07  492801.2 3761501.3   683.0     3.49     4.00     3.25
 YES                    NO
 L0003151         0   0.54840E-07  492801.2 3761492.7   683.0     3.49     4.00     3.25
 YES                    NO
 L0003152         0   0.54840E-07  492801.3 3761484.1   683.0     3.49     4.00     3.25
 YES                    NO
 L0003153         0   0.54840E-07  492801.3 3761475.6   683.0     3.49     4.00     3.25
 YES                    NO
 L0003154         0   0.54840E-07  492801.4 3761467.0   683.3     3.49     4.00     3.25
 YES                    NO
 L0003155         0   0.54840E-07  492801.4 3761458.4   683.7     3.49     4.00     3.25
 YES                    NO
 L0003156         0   0.54840E-07  492801.4 3761449.8   684.0     3.49     4.00     3.25
 YES                    NO
 L0003157         0   0.54840E-07  492801.5 3761441.2   684.1     3.49     4.00     3.25
 YES                    NO
 L0003158         0   0.54840E-07  492801.5 3761432.6   683.9     3.49     4.00     3.25
 YES                    NO
 L0003159         0   0.54840E-07  492801.6 3761424.0   683.8     3.49     4.00     3.25
 YES                    NO
 L0003160         0   0.54840E-07  492801.6 3761415.4   683.7     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

                     PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
     (METERS)             BY
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 L0003161         0   0.54840E-07  492801.6 3761406.8   683.5     3.49     4.00     3.25
 YES                    NO
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L0003162	0	0.54840E-07	492801.7	3761398.2	683.3	3.49	4.00	3.25
YES		NO						
L0003163	0	0.54840E-07	492801.7	3761389.7	683.1	3.49	4.00	3.25
YES		NO						
L0003164	0	0.54840E-07	492801.7	3761381.1	684.1	3.49	4.00	3.25
YES		NO						
L0003165	0	0.54840E-07	492801.8	3761372.5	686.0	3.49	4.00	3.25
YES		NO						
L0003166	0	0.54840E-07	492801.8	3761363.9	687.8	3.49	4.00	3.25
YES		NO						
L0003167	0	0.54840E-07	492801.9	3761355.3	689.5	3.49	4.00	3.25
YES		NO						
L0003168	0	0.54840E-07	492801.9	3761346.7	689.8	3.49	4.00	3.25
YES		NO						
L0003169	0	0.54840E-07	492801.9	3761338.1	690.0	3.49	4.00	3.25
YES		NO						
L0003170	0	0.54840E-07	492802.0	3761329.5	690.3	3.49	4.00	3.25
YES		NO						
L0003171	0	0.54840E-07	492802.0	3761320.9	689.6	3.49	4.00	3.25
YES		NO						
L0003172	0	0.54840E-07	492802.1	3761312.3	688.4	3.49	4.00	3.25
YES		NO						
L0003173	0	0.54840E-07	492802.1	3761303.8	687.1	3.49	4.00	3.25
YES		NO						
L0003174	0	0.54840E-07	492802.1	3761295.2	685.8	3.49	4.00	3.25
YES		NO						
L0003175	0	0.54840E-07	492802.2	3761286.6	684.5	3.49	4.00	3.25
YES		NO						
L0003176	0	0.54840E-07	492802.2	3761278.0	683.2	3.49	4.00	3.25
YES		NO						
L0003177	0	0.54840E-07	492802.2	3761269.4	681.9	3.49	4.00	3.25
YES		NO						
L0003178	0	0.54840E-07	492802.3	3761260.8	681.4	3.49	4.00	3.25
YES		NO						
L0003179	0	0.54840E-07	492802.3	3761252.2	681.5	3.49	4.00	3.25
YES		NO						
L0003180	0	0.54840E-07	492802.4	3761243.6	681.5	3.49	4.00	3.25
YES		NO						
L0003181	0	0.54840E-07	492802.4	3761235.0	681.8	3.49	4.00	3.25
YES		NO						
L0003182	0	0.54840E-07	492802.4	3761226.4	683.3	3.49	4.00	3.25
YES		NO						
L0003183	0	0.54840E-07	492802.5	3761217.9	684.8	3.49	4.00	3.25
YES		NO						
L0003184	0	0.54840E-07	492802.5	3761209.3	686.3	3.49	4.00	3.25
YES		NO						
L0003185	0	0.54840E-07	492802.6	3761200.7	687.9	3.49	4.00	3.25
YES		NO						
L0003186	0	0.54840E-07	492802.6	3761192.1	689.6	3.49	4.00	3.25
YES		NO						
L0003187	0	0.54840E-07	492802.6	3761183.5	691.2	3.49	4.00	3.25
YES		NO						
L0003188	0	0.54840E-07	492802.7	3761174.9	692.8	3.49	4.00	3.25
YES		NO						
L0003189	0	0.54840E-07	492802.7	3761166.3	693.4	3.49	4.00	3.25
YES		NO						
L0003190	0	0.54840E-07	492802.7	3761157.7	694.0	3.49	4.00	3.25
YES		NO						
L0003191	0	0.54840E-07	492802.8	3761149.1	694.6	3.49	4.00	3.25
YES		NO						
L0003192	0	0.54840E-07	492802.8	3761140.5	695.3	3.49	4.00	3.25
YES		NO						
L0003193	0	0.54840E-07	492802.9	3761132.0	696.1	3.49	4.00	3.25
YES		NO						
L0003194	0	0.54840E-07	492802.9	3761123.4	696.8	3.49	4.00	3.25
YES		NO						

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 L0003195         0   0.54840E-07  492802.9 3761114.8   697.4     3.49     4.00     3.25
 YES                    NO
 L0003196         0   0.54840E-07  492803.0 3761106.2   697.2     3.49     4.00     3.25
 YES                    NO
 L0003197         0   0.54840E-07  492803.0 3761097.6   697.1     3.49     4.00     3.25
 YES                    NO
 L0003198         0   0.54840E-07  492803.1 3761089.0   696.9     3.49     4.00     3.25
 YES                    NO
 L0003199         0   0.54840E-07  492803.2 3761080.4   696.2     3.49     4.00     3.25
 YES                    NO
 L0003200         0   0.54840E-07  492803.3 3761071.8   695.2     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

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


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
     (METERS)             BY
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 L0003201         0   0.54840E-07  492803.4 3761063.2   694.2     3.49     4.00     3.25
 YES                    NO
 L0003202         0   0.54840E-07  492803.5 3761054.7   693.4     3.49     4.00     3.25
 YES                    NO
 L0003203         0   0.54840E-07  492803.6 3761046.1   693.4     3.49     4.00     3.25
 YES                    NO
 L0003204         0   0.54840E-07  492803.7 3761037.5   693.5     3.49     4.00     3.25
 YES                    NO
 L0003205         0   0.54840E-07  492803.8 3761028.9   693.5     3.49     4.00     3.25
 YES                    NO
 L0003206         0   0.54840E-07  492803.9 3761020.3   691.4     3.49     4.00     3.25
 YES                    NO
 L0003207         0   0.54840E-07  492804.0 3761011.7   688.2     3.49     4.00     3.25
 YES                    NO
 L0003208         0   0.54840E-07  492804.1 3761003.1   685.1     3.49     4.00     3.25
 YES                    NO
 L0003209         0   0.54840E-07  492804.1 3760994.5   682.8     3.49     4.00     3.25
 YES                    NO
 L0003210         0   0.54610E-07  493045.9 3761513.6   686.6     3.49     4.00     3.25
 YES                    NO
 L0003211         0   0.54610E-07  493045.1 3761505.1   686.4     3.49     4.00     3.25
 YES                    NO
 L0003212         0   0.54610E-07  493044.4 3761496.5   686.0     3.49     4.00     3.25
 YES                    NO
 L0003213         0   0.54610E-07  493044.6 3761487.9   685.6     3.49     4.00     3.25
 YES                    NO
 L0003214         0   0.54610E-07  493044.8 3761479.3   685.2     3.49     4.00     3.25
 YES                    NO
 L0003215         0   0.54610E-07  493045.0 3761470.8   684.7     3.49     4.00     3.25
 YES                    NO
 L0003216         0   0.54610E-07  493045.0 3761462.2   684.3     3.49     4.00     3.25
 YES                    NO
 L0003217         0   0.54610E-07  493045.1 3761453.6   683.9     3.49     4.00     3.25
 YES                    NO
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 L0003218         0   0.54610E-07  493045.1 3761445.0   683.5     3.49     4.00     3.25
 YES                    NO
 L0003219         0   0.54610E-07  493045.1 3761436.4   683.3     3.49     4.00     3.25
 YES                    NO
 L0003220         0   0.54610E-07  493045.1 3761427.8   683.2     3.49     4.00     3.25
 YES                    NO
 L0003221         0   0.54610E-07  493045.1 3761419.2   683.1     3.49     4.00     3.25
 YES                    NO
 L0003222         0   0.54610E-07  493045.2 3761410.6   682.8     3.49     4.00     3.25
 YES                    NO
 L0003223         0   0.54610E-07  493045.2 3761402.0   682.5     3.49     4.00     3.25
 YES                    NO
 L0003224         0   0.54610E-07  493045.2 3761393.4   682.2     3.49     4.00     3.25
 YES                    NO
 L0003225         0   0.54610E-07  493045.2 3761384.9   681.9     3.49     4.00     3.25
 YES                    NO
 L0003226         0   0.54610E-07  493045.3 3761376.3   681.5     3.49     4.00     3.25
 YES                    NO
 L0003227         0   0.54610E-07  493045.3 3761367.7   681.1     3.49     4.00     3.25
 YES                    NO
 L0003228         0   0.54610E-07  493045.3 3761359.1   680.6     3.49     4.00     3.25
 YES                    NO
 L0003229         0   0.54610E-07  493045.3 3761350.5   680.8     3.49     4.00     3.25
 YES                    NO
 L0003230         0   0.54610E-07  493045.3 3761341.9   681.2     3.49     4.00     3.25
 YES                    NO
 L0003231         0   0.54610E-07  493045.4 3761333.3   681.6     3.49     4.00     3.25
 YES                    NO
 L0003232         0   0.54610E-07  493045.4 3761324.7   682.0     3.49     4.00     3.25
 YES                    NO
 L0003233         0   0.54610E-07  493045.4 3761316.1   682.0     3.49     4.00     3.25
 YES                    NO
 L0003234         0   0.54610E-07  493045.4 3761307.5   682.0     3.49     4.00     3.25
 YES                    NO
 L0003235         0   0.54610E-07  493045.5 3761299.0   682.0     3.49     4.00     3.25
 YES                    NO
 L0003236         0   0.54610E-07  493045.5 3761290.4   681.8     3.49     4.00     3.25
 YES                    NO
 L0003237         0   0.54610E-07  493045.5 3761281.8   681.5     3.49     4.00     3.25
 YES                    NO
 L0003238         0   0.54610E-07  493045.5 3761273.2   681.2     3.49     4.00     3.25
 YES                    NO
 L0003239         0   0.54610E-07  493045.5 3761264.6   681.1     3.49     4.00     3.25
 YES                    NO
 L0003240         0   0.54610E-07  493045.6 3761256.0   681.5     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

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


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                      BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
     (METERS)             BY
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L0003241	0	0.54610E-07	493045.6	3761247.4	681.9	3.49	4.00	3.25
YES		NO						
L0003242	0	0.54610E-07	493045.6	3761238.8	682.4	3.49	4.00	3.25
YES		NO						
L0003243	0	0.54610E-07	493045.6	3761230.2	682.3	3.49	4.00	3.25
YES		NO						
L0003244	0	0.54610E-07	493045.7	3761221.6	682.0	3.49	4.00	3.25
YES		NO						
L0003245	0	0.54610E-07	493045.7	3761213.1	681.7	3.49	4.00	3.25
YES		NO						
L0003246	0	0.54610E-07	493045.7	3761204.5	681.6	3.49	4.00	3.25
YES		NO						
L0003247	0	0.54610E-07	493045.7	3761195.9	681.8	3.49	4.00	3.25
YES		NO						
L0003248	0	0.54610E-07	493045.7	3761187.3	682.1	3.49	4.00	3.25
YES		NO						
L0003249	0	0.54610E-07	493045.8	3761178.7	682.4	3.49	4.00	3.25
YES		NO						
L0003250	0	0.54610E-07	493045.8	3761170.1	682.1	3.49	4.00	3.25
YES		NO						
L0003251	0	0.54610E-07	493045.8	3761161.5	681.5	3.49	4.00	3.25
YES		NO						
L0003252	0	0.54610E-07	493045.8	3761152.9	681.0	3.49	4.00	3.25
YES		NO						
L0003253	0	0.54610E-07	493045.9	3761144.3	680.5	3.49	4.00	3.25
YES		NO						
L0003254	0	0.54610E-07	493045.9	3761135.7	680.5	3.49	4.00	3.25
YES		NO						
L0003255	0	0.54610E-07	493045.9	3761127.2	680.5	3.49	4.00	3.25
YES		NO						
L0003256	0	0.54610E-07	493045.9	3761118.6	680.6	3.49	4.00	3.25
YES		NO						
L0003257	0	0.54610E-07	493045.9	3761110.0	680.9	3.49	4.00	3.25
YES		NO						
L0003258	0	0.54610E-07	493046.0	3761101.4	681.3	3.49	4.00	3.25
YES		NO						
L0003259	0	0.54610E-07	493046.0	3761092.8	681.8	3.49	4.00	3.25
YES		NO						
L0003260	0	0.54610E-07	493046.0	3761084.2	682.0	3.49	4.00	3.25
YES		NO						
L0003261	0	0.54610E-07	493046.0	3761075.6	681.8	3.49	4.00	3.25
YES		NO						
L0003262	0	0.54610E-07	493046.1	3761067.0	681.5	3.49	4.00	3.25
YES		NO						
L0003263	0	0.54610E-07	493046.1	3761058.4	681.2	3.49	4.00	3.25
YES		NO						
L0003264	0	0.54610E-07	493046.1	3761049.8	680.4	3.49	4.00	3.25
YES		NO						
L0003265	0	0.54610E-07	493046.1	3761041.3	679.5	3.49	4.00	3.25
YES		NO						
L0003266	0	0.54610E-07	493046.1	3761032.7	678.5	3.49	4.00	3.25
YES		NO						
L0003267	0	0.54610E-07	493046.2	3761024.1	677.6	3.49	4.00	3.25
YES		NO						
L0003268	0	0.54610E-07	493046.2	3761015.5	676.6	3.49	4.00	3.25
YES		NO						
L0003269	0	0.54610E-07	493046.2	3761006.9	675.6	3.49	4.00	3.25
YES		NO						
L0003270	0	0.54610E-07	493046.2	3760998.3	674.5	3.49	4.00	3.25
YES		NO						
L0003271	0	0.53930E-07	492498.0	3761346.2	683.0	3.49	4.00	3.25
YES		NO						
L0003272	0	0.53930E-07	492506.6	3761346.1	683.0	3.49	4.00	3.25
YES		NO						
L0003273	0	0.53930E-07	492515.2	3761345.9	683.0	3.49	4.00	3.25
YES		NO						

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 L0003274         0   0.53930E-07  492523.8 3761345.8   683.1     3.49     4.00     3.25
 YES                    NO
 L0003275         0   0.53930E-07  492528.8 3761342.2   683.3     3.49     4.00     3.25
 YES                    NO
 L0003276         0   0.53930E-07  492528.7 3761333.6   683.1     3.49     4.00     3.25
 YES                    NO
 L0003277         0   0.53930E-07  492528.6 3761325.0   683.0     3.49     4.00     3.25
 YES                    NO
 L0003278         0   0.53930E-07  492528.5 3761316.4   683.2     3.49     4.00     3.25
 YES                    NO
 L0003279         0   0.53930E-07  492528.4 3761307.9   683.4     3.49     4.00     3.25
 YES                    NO
 L0003280         0   0.53930E-07  492528.3 3761299.3   683.7     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

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


                                                  *** VOLUME SOURCE DATA ***

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

 L0003281         0   0.53930E-07  492528.2 3761290.7   685.2     3.49     4.00     3.25
 YES                    NO
 L0003282         0   0.53930E-07  492528.0 3761282.1   687.5     3.49     4.00     3.25
 YES                    NO
 L0003283         0   0.53930E-07  492527.9 3761273.5   689.8     3.49     4.00     3.25
 YES                    NO
 L0003284         0   0.53930E-07  492527.8 3761264.9   691.9     3.49     4.00     3.25
 YES                    NO
 L0003285         0   0.53930E-07  492527.7 3761256.3   692.8     3.49     4.00     3.25
 YES                    NO
 L0003286         0   0.53930E-07  492527.6 3761247.7   693.6     3.49     4.00     3.25
 YES                    NO
 L0003287         0   0.53930E-07  492527.5 3761239.1   694.5     3.49     4.00     3.25
 YES                    NO
 L0003288         0   0.53930E-07  492527.4 3761230.5   695.0     3.49     4.00     3.25
 YES                    NO
 L0003289         0   0.53930E-07  492527.3 3761222.0   695.5     3.49     4.00     3.25
 YES                    NO
 L0003290         0   0.53930E-07  492527.1 3761213.4   695.9     3.49     4.00     3.25
 YES                    NO
 L0003291         0   0.53930E-07  492527.0 3761204.8   696.3     3.49     4.00     3.25
 YES                    NO
 L0003292         0   0.53930E-07  492526.9 3761196.2   697.1     3.49     4.00     3.25
 YES                    NO
 L0003293         0   0.53930E-07  492526.8 3761187.6   697.8     3.49     4.00     3.25
 YES                    NO
 L0003294         0   0.53930E-07  492526.7 3761179.0   698.5     3.49     4.00     3.25
 YES                    NO
 L0003295         0   0.53930E-07  492526.6 3761170.4   699.0     3.49     4.00     3.25
 YES                    NO
 L0003296         0   0.53930E-07  492526.5 3761161.8   699.3     3.49     4.00     3.25
 YES                    NO
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L0003297	0	0.53930E-07	492526.3	3761153.2	699.6	3.49	4.00	3.25	
YES		NO							
L0003298	0	0.53930E-07	492526.2	3761144.7	699.7	3.49	4.00	3.25	
YES		NO							
L0003299	0	0.53930E-07	492526.1	3761136.1	699.3	3.49	4.00	3.25	
YES		NO							
L0003300	0	0.53930E-07	492526.0	3761127.5	698.9	3.49	4.00	3.25	
YES		NO							
L0003301	0	0.53930E-07	492525.9	3761118.9	698.5	3.49	4.00	3.25	
YES		NO							
L0003302	0	0.53930E-07	492525.8	3761110.3	697.7	3.49	4.00	3.25	
YES		NO							
L0003303	0	0.53930E-07	492525.7	3761101.7	696.8	3.49	4.00	3.25	
YES		NO							
L0003304	0	0.53930E-07	492525.6	3761093.1	695.9	3.49	4.00	3.25	
YES		NO							
L0003305	0	0.53930E-07	492525.4	3761084.5	695.1	3.49	4.00	3.25	
YES		NO							
L0003306	0	0.53930E-07	492525.3	3761075.9	694.5	3.49	4.00	3.25	
YES		NO							
L0003307	0	0.53930E-07	492525.2	3761067.4	694.0	3.49	4.00	3.25	
YES		NO							
L0003308	0	0.53930E-07	492525.1	3761058.8	693.5	3.49	4.00	3.25	
YES		NO							
L0003309	0	0.53930E-07	492525.0	3761050.2	693.5	3.49	4.00	3.25	
YES		NO							
L0003310	0	0.53930E-07	492524.9	3761041.6	693.9	3.49	4.00	3.25	
YES		NO							
L0003311	0	0.53930E-07	492524.8	3761033.0	694.2	3.49	4.00	3.25	
YES		NO							
L0003312	0	0.53930E-07	492524.6	3761024.4	694.5	3.49	4.00	3.25	
YES		NO							
L0003313	0	0.53930E-07	492522.5	3761017.8	694.5	3.49	4.00	3.25	
YES		NO							
L0003314	0	0.53930E-07	492514.0	3761017.6	693.5	3.49	4.00	3.25	
YES		NO							
L0003315	0	0.53930E-07	492505.4	3761017.4	692.5	3.49	4.00	3.25	
YES		NO							
L0003316	0	0.53930E-07	492496.8	3761017.2	691.5	3.49	4.00	3.25	
YES		NO							
L0003317	0	0.54250E-07	492742.0	3761509.9	683.0	3.49	4.00	3.25	
YES		NO							
L0003318	0	0.54250E-07	492742.1	3761501.3	683.0	3.49	4.00	3.25	
YES		NO							
L0003319	0	0.54250E-07	492742.3	3761492.7	683.0	3.49	4.00	3.25	
YES		NO							
L0003320	0	0.54250E-07	492742.4	3761484.1	683.0	3.49	4.00	3.25	
YES		NO							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
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L0003321	0	0.54250E-07	492742.6	3761475.6	683.0	3.49	4.00	3.25
YES		NO						
L0003322	0	0.54250E-07	492742.7	3761467.0	683.0	3.49	4.00	3.25
YES		NO						
L0003323	0	0.54250E-07	492742.9	3761458.4	683.0	3.49	4.00	3.25
YES		NO						
L0003324	0	0.54250E-07	492743.0	3761449.8	683.0	3.49	4.00	3.25
YES		NO						
L0003325	0	0.54250E-07	492743.4	3761441.2	683.3	3.49	4.00	3.25
YES		NO						
L0003326	0	0.54250E-07	492744.4	3761432.7	683.7	3.49	4.00	3.25
YES		NO						
L0003327	0	0.54250E-07	492745.4	3761424.2	684.1	3.49	4.00	3.25
YES		NO						
L0003328	0	0.54250E-07	492746.4	3761415.6	684.5	3.49	4.00	3.25
YES		NO						
L0003329	0	0.54250E-07	492747.4	3761407.1	685.9	3.49	4.00	3.25
YES		NO						
L0003330	0	0.54250E-07	492748.4	3761398.6	687.2	3.49	4.00	3.25
YES		NO						
L0003331	0	0.54250E-07	492749.3	3761390.0	688.6	3.49	4.00	3.25
YES		NO						
L0003332	0	0.54250E-07	492749.3	3761381.4	690.2	3.49	4.00	3.25
YES		NO						
L0003333	0	0.54250E-07	492749.3	3761372.8	691.9	3.49	4.00	3.25
YES		NO						
L0003334	0	0.54250E-07	492749.3	3761364.3	693.7	3.49	4.00	3.25
YES		NO						
L0003335	0	0.54250E-07	492749.3	3761355.7	695.4	3.49	4.00	3.25
YES		NO						
L0003336	0	0.54250E-07	492749.3	3761347.1	695.2	3.49	4.00	3.25
YES		NO						
L0003337	0	0.54250E-07	492749.3	3761338.5	695.1	3.49	4.00	3.25
YES		NO						
L0003338	0	0.54250E-07	492749.3	3761329.9	695.0	3.49	4.00	3.25
YES		NO						
L0003339	0	0.54250E-07	492749.3	3761321.3	693.7	3.49	4.00	3.25
YES		NO						
L0003340	0	0.54250E-07	492749.3	3761312.7	691.6	3.49	4.00	3.25
YES		NO						
L0003341	0	0.54250E-07	492749.3	3761304.1	689.4	3.49	4.00	3.25
YES		NO						
L0003342	0	0.54250E-07	492749.3	3761295.5	687.2	3.49	4.00	3.25
YES		NO						
L0003343	0	0.54250E-07	492749.3	3761286.9	685.6	3.49	4.00	3.25
YES		NO						
L0003344	0	0.54250E-07	492749.3	3761278.4	684.0	3.49	4.00	3.25
YES		NO						
L0003345	0	0.54250E-07	492749.3	3761269.8	682.4	3.49	4.00	3.25
YES		NO						
L0003346	0	0.54250E-07	492749.3	3761261.2	681.9	3.49	4.00	3.25
YES		NO						
L0003347	0	0.54250E-07	492749.3	3761252.6	682.3	3.49	4.00	3.25
YES		NO						
L0003348	0	0.54250E-07	492749.3	3761244.0	682.7	3.49	4.00	3.25
YES		NO						
L0003349	0	0.54250E-07	492749.3	3761235.4	683.3	3.49	4.00	3.25
YES		NO						
L0003350	0	0.54250E-07	492749.3	3761226.8	686.8	3.49	4.00	3.25
YES		NO						
L0003351	0	0.54250E-07	492749.3	3761218.2	690.2	3.49	4.00	3.25
YES		NO						
L0003352	0	0.54250E-07	492749.3	3761209.6	693.6	3.49	4.00	3.25
YES		NO						

L0003353 0 0.54250E-07 492749.3 3761201.0 695.2 3.49 4.00 3.25
YES NO
L0003354 0 0.54250E-07 492749.3 3761192.5 695.6 3.49 4.00 3.25
YES NO
L0003355 0 0.54250E-07 492749.3 3761183.9 696.0 3.49 4.00 3.25
YES NO
L0003356 0 0.54250E-07 492749.3 3761175.3 696.4 3.49 4.00 3.25
YES NO
L0003357 0 0.54250E-07 492749.3 3761166.7 696.8 3.49 4.00 3.25
YES NO
L0003358 0 0.54250E-07 492749.3 3761158.1 697.2 3.49 4.00 3.25
YES NO
L0003359 0 0.54250E-07 492749.3 3761149.5 697.6 3.49 4.00 3.25
YES NO
L0003360 0 0.54250E-07 492749.3 3761140.9 697.7 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0003361	0	0.54250E-07	492749.3	3761132.3	697.7	3.49	4.00	3.25	YES NO
L0003362	0	0.54250E-07	492749.3	3761123.7	697.7	3.49	4.00	3.25	YES NO
L0003363	0	0.54250E-07	492749.3	3761115.1	697.8	3.49	4.00	3.25	YES NO
L0003364	0	0.54250E-07	492749.3	3761106.6	698.6	3.49	4.00	3.25	YES NO
L0003365	0	0.54250E-07	492749.3	3761098.0	699.3	3.49	4.00	3.25	YES NO
L0003366	0	0.54250E-07	492749.3	3761089.4	700.1	3.49	4.00	3.25	YES NO
L0003367	0	0.54250E-07	492749.3	3761080.8	700.2	3.49	4.00	3.25	YES NO
L0003368	0	0.54250E-07	492749.3	3761072.2	699.9	3.49	4.00	3.25	YES NO
L0003369	0	0.54250E-07	492749.3	3761063.6	699.6	3.49	4.00	3.25	YES NO
L0003370	0	0.54250E-07	492749.3	3761055.0	699.2	3.49	4.00	3.25	YES NO
L0003371	0	0.54250E-07	492749.3	3761046.4	698.4	3.49	4.00	3.25	YES NO
L0003372	0	0.54250E-07	492749.3	3761037.8	697.5	3.49	4.00	3.25	YES NO
L0003373	0	0.54250E-07	492749.3	3761029.2	696.7	3.49	4.00	3.25	YES NO
L0003374	0	0.54250E-07	492749.3	3761020.7	695.7	3.49	4.00	3.25	YES NO
L0003375	0	0.54250E-07	492749.3	3761012.1	694.6	3.49	4.00	3.25	YES NO

L0003376	0	0.54250E-07	492749.3	3761003.5	693.6	3.49	4.00	3.25	
YES		NO							
L0003377	0	0.54250E-07	492749.3	3760994.9	692.8	3.49	4.00	3.25	
YES		NO							
L0003378	0	0.54250E-07	492749.3	3760986.3	693.6	3.49	4.00	3.25	
YES		NO							
L0003379	0	0.54250E-07	492749.3	3760977.7	694.4	3.49	4.00	3.25	
YES		NO							
L0003380	0	0.10850E-06	492463.9	3761346.4	683.0	3.49	4.00	3.25	
YES		NO							
L0003381	0	0.10850E-06	492455.3	3761346.3	682.8	3.49	4.00	3.25	
YES		NO							
L0003382	0	0.10850E-06	492446.8	3761346.2	682.4	3.49	4.00	3.25	
YES		NO							
L0003383	0	0.10850E-06	492438.2	3761346.2	682.0	3.49	4.00	3.25	
YES		NO							
L0003384	0	0.10850E-06	492429.6	3761346.1	681.7	3.49	4.00	3.25	
YES		NO							
L0003385	0	0.10850E-06	492421.0	3761346.0	682.1	3.49	4.00	3.25	
YES		NO							
L0003386	0	0.10850E-06	492412.4	3761345.9	682.5	3.49	4.00	3.25	
YES		NO							
L0003387	0	0.10850E-06	492403.8	3761345.8	682.9	3.49	4.00	3.25	
YES		NO							
L0003388	0	0.10850E-06	492395.2	3761345.8	683.0	3.49	4.00	3.25	
YES		NO							
L0003389	0	0.10850E-06	492386.6	3761345.7	682.8	3.49	4.00	3.25	
YES		NO							
L0003390	0	0.10850E-06	492378.0	3761345.6	682.7	3.49	4.00	3.25	
YES		NO							
L0003391	0	0.10850E-06	492369.5	3761345.5	682.7	3.49	4.00	3.25	
YES		NO							
L0003392	0	0.10850E-06	492360.9	3761345.4	684.3	3.49	4.00	3.25	
YES		NO							
L0003393	0	0.10850E-06	492352.3	3761345.4	685.8	3.49	4.00	3.25	
YES		NO							
L0003394	0	0.10850E-06	492343.7	3761345.3	687.3	3.49	4.00	3.25	
YES		NO							
L0003395	0	0.10850E-06	492335.1	3761345.2	688.0	3.49	4.00	3.25	
YES		NO							
L0003396	0	0.10850E-06	492326.5	3761345.1	688.0	3.49	4.00	3.25	
YES		NO							
L0003397	0	0.10850E-06	492317.9	3761345.0	688.1	3.49	4.00	3.25	
YES		NO							
L0003398	0	0.10850E-06	492309.3	3761345.0	688.1	3.49	4.00	3.25	
YES		NO							
L0003399	0	0.10850E-06	492300.7	3761344.9	687.4	3.49	4.00	3.25	
YES		NO							
L0003400	0	0.10850E-06	492292.1	3761344.8	686.7	3.49	4.00	3.25	
YES		NO							

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

(METERS) BY

L0003401	0	0.10850E-06	492283.6	3761344.7	686.0	3.49	4.00	3.25
YES		NO						
L0003402	0	0.10850E-06	492275.0	3761344.6	684.9	3.49	4.00	3.25
YES		NO						
L0003403	0	0.10850E-06	492266.4	3761344.5	683.8	3.49	4.00	3.25
YES		NO						
L0003404	0	0.10850E-06	492257.8	3761344.5	682.6	3.49	4.00	3.25
YES		NO						
L0003405	0	0.10850E-06	492249.2	3761344.4	681.5	3.49	4.00	3.25
YES		NO						
L0003406	0	0.10850E-06	492240.6	3761344.3	681.0	3.49	4.00	3.25
YES		NO						
L0003407	0	0.10850E-06	492232.0	3761344.2	680.5	3.49	4.00	3.25
YES		NO						
L0003408	0	0.10850E-06	492223.4	3761344.1	680.0	3.49	4.00	3.25
YES		NO						
L0003409	0	0.10850E-06	492214.8	3761344.1	679.9	3.49	4.00	3.25
YES		NO						
L0003410	0	0.10850E-06	492206.2	3761344.0	679.8	3.49	4.00	3.25
YES		NO						
L0003411	0	0.10850E-06	492197.7	3761343.9	679.8	3.49	4.00	3.25
YES		NO						
L0003412	0	0.10850E-06	492189.6	3761343.3	680.1	3.49	4.00	3.25
YES		NO						
L0003413	0	0.10850E-06	492189.7	3761334.7	684.0	3.49	4.00	3.25
YES		NO						
L0003414	0	0.10850E-06	492189.7	3761326.1	688.0	3.49	4.00	3.25
YES		NO						
L0003415	0	0.10850E-06	492189.8	3761317.6	690.3	3.49	4.00	3.25
YES		NO						
L0003416	0	0.10850E-06	492189.9	3761309.0	692.6	3.49	4.00	3.25
YES		NO						
L0003417	0	0.10850E-06	492190.0	3761300.4	694.9	3.49	4.00	3.25
YES		NO						
L0003418	0	0.10850E-06	492190.0	3761291.8	694.9	3.49	4.00	3.25
YES		NO						
L0003419	0	0.10850E-06	492190.1	3761283.2	692.9	3.49	4.00	3.25
YES		NO						
L0003420	0	0.10850E-06	492190.2	3761274.6	690.9	3.49	4.00	3.25
YES		NO						
L0003421	0	0.10850E-06	492190.3	3761266.0	688.9	3.49	4.00	3.25
YES		NO						
L0003422	0	0.10850E-06	492190.3	3761257.4	685.2	3.49	4.00	3.25
YES		NO						
L0003423	0	0.10850E-06	492190.4	3761248.8	681.5	3.49	4.00	3.25
YES		NO						
L0003424	0	0.10850E-06	492190.5	3761240.2	677.7	3.49	4.00	3.25
YES		NO						
L0003425	0	0.10850E-06	492190.6	3761231.7	675.4	3.49	4.00	3.25
YES		NO						
L0003426	0	0.10850E-06	492190.6	3761223.1	674.2	3.49	4.00	3.25
YES		NO						
L0003427	0	0.10850E-06	492190.7	3761214.5	673.1	3.49	4.00	3.25
YES		NO						
L0003428	0	0.10850E-06	492190.8	3761205.9	672.2	3.49	4.00	3.25
YES		NO						
L0003429	0	0.10850E-06	492190.9	3761197.3	676.2	3.49	4.00	3.25
YES		NO						
L0003430	0	0.10850E-06	492190.9	3761188.7	680.2	3.49	4.00	3.25
YES		NO						
L0003431	0	0.10850E-06	492191.0	3761180.1	684.1	3.49	4.00	3.25
YES		NO						

```
 L0003432         0   0.10850E-06  492191.1 3761171.5   686.9     3.49     4.00     3.25
 YES                    NO
 L0003433         0   0.10850E-06  492191.2 3761162.9   688.7     3.49     4.00     3.25
 YES                    NO
 L0003434         0   0.10850E-06  492191.2 3761154.3   690.4     3.49     4.00     3.25
 YES                    NO
 L0003435         0   0.10850E-06  492191.3 3761145.8   691.9     3.49     4.00     3.25
 YES                    NO
 L0003436         0   0.10850E-06  492191.4 3761137.2   689.9     3.49     4.00     3.25
 YES                    NO
 L0003437         0   0.10850E-06  492191.5 3761128.6   687.9     3.49     4.00     3.25
 YES                    NO
 L0003438         0   0.10850E-06  492191.5 3761120.0   685.8     3.49     4.00     3.25
 YES                    NO
 L0003439         0   0.10850E-06  492191.6 3761111.4   683.0     3.49     4.00     3.25
 YES                    NO
 L0003440         0   0.10850E-06  492191.7 3761102.8   679.6     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:35:31

                     PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
     (METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0003441         0   0.10850E-06  492191.8 3761094.2   676.2     3.49     4.00     3.25
 YES                    NO
 L0003442         0   0.10850E-06  492192.0 3761085.6   673.0     3.49     4.00     3.25
 YES                    NO
 L0003443         0   0.10850E-06  492192.1 3761077.0   672.5     3.49     4.00     3.25
 YES                    NO
 L0003444         0   0.10850E-06  492192.2 3761068.5   671.9     3.49     4.00     3.25
 YES                    NO
 L0003445         0   0.10850E-06  492192.3 3761059.9   671.4     3.49     4.00     3.25
 YES                    NO
 L0003446         0   0.10850E-06  492192.4 3761051.3   674.1     3.49     4.00     3.25
 YES                    NO
 L0003447         0   0.10850E-06  492192.6 3761042.7   679.1     3.49     4.00     3.25
 YES                    NO
 L0003448         0   0.10850E-06  492192.7 3761034.1   684.1     3.49     4.00     3.25
 YES                    NO
 L0003449         0   0.10850E-06  492195.1 3761026.0   688.4     3.49     4.00     3.25
 YES                    NO
 L0003450         0   0.10850E-06  492198.3 3761018.0   690.2     3.49     4.00     3.25
 YES                    NO
 L0003451         0   0.10850E-06  492206.5 3761017.5   689.9     3.49     4.00     3.25
 YES                    NO
 L0003452         0   0.10850E-06  492215.1 3761017.5   689.4     3.49     4.00     3.25
 YES                    NO
 L0003453         0   0.10850E-06  492223.7 3761017.6   689.5     3.49     4.00     3.25
 YES                    NO
 L0003454         0   0.10850E-06  492232.3 3761017.6   690.6     3.49     4.00     3.25
 YES                    NO
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 L0003455         0   0.10850E-06  492240.9 3761017.7   691.7     3.49     4.00     3.25
 YES                    NO
 L0003456         0   0.10850E-06  492249.4 3761017.8   692.9     3.49     4.00     3.25
 YES                    NO
 L0003457         0   0.10850E-06  492258.0 3761017.8   693.2     3.49     4.00     3.25
 YES                    NO
 L0003458         0   0.10850E-06  492266.6 3761017.9   693.5     3.49     4.00     3.25
 YES                    NO
 L0003459         0   0.10850E-06  492275.2 3761017.9   693.9     3.49     4.00     3.25
 YES                    NO
 L0003460         0   0.10850E-06  492283.8 3761018.0   694.1     3.49     4.00     3.25
 YES                    NO
 L0003461         0   0.10850E-06  492292.4 3761018.0   694.1     3.49     4.00     3.25
 YES                    NO
 L0003462         0   0.10850E-06  492301.0 3761018.0   694.1     3.49     4.00     3.25
 YES                    NO
 L0003463         0   0.10850E-06  492309.6 3761018.0   694.2     3.49     4.00     3.25
 YES                    NO
 L0003464         0   0.10850E-06  492318.2 3761018.1   693.1     3.49     4.00     3.25
 YES                    NO
 L0003465         0   0.10850E-06  492326.8 3761018.1   692.0     3.49     4.00     3.25
 YES                    NO
 L0003466         0   0.10850E-06  492335.3 3761018.1   690.8     3.49     4.00     3.25
 YES                    NO
 L0003467         0   0.10850E-06  492343.9 3761018.2   689.7     3.49     4.00     3.25
 YES                    NO
 L0003468         0   0.10850E-06  492352.5 3761018.2   688.7     3.49     4.00     3.25
 YES                    NO
 L0003469         0   0.10850E-06  492361.1 3761018.2   687.6     3.49     4.00     3.25
 YES                    NO
 L0003470         0   0.10850E-06  492369.7 3761018.2   686.5     3.49     4.00     3.25
 YES                    NO
 L0003471         0   0.10850E-06  492378.3 3761018.3   685.9     3.49     4.00     3.25
 YES                    NO
 L0003472         0   0.10850E-06  492386.9 3761018.3   685.2     3.49     4.00     3.25
 YES                    NO
 L0003473         0   0.10850E-06  492395.5 3761018.3   684.5     3.49     4.00     3.25
 YES                    NO
 L0003474         0   0.10850E-06  492404.1 3761018.3   684.1     3.49     4.00     3.25
 YES                    NO
 L0003475         0   0.10850E-06  492412.6 3761018.4   684.0     3.49     4.00     3.25
 YES                    NO
 L0003476         0   0.10850E-06  492421.2 3761018.4   683.9     3.49     4.00     3.25
 YES                    NO
 L0003477         0   0.10850E-06  492429.8 3761018.4   683.8     3.49     4.00     3.25
 YES                    NO
 L0003478         0   0.10850E-06  492438.4 3761018.4   684.8     3.49     4.00     3.25
 YES                    NO
 L0003479         0   0.10850E-06  492445.7 3761019.8   685.4     3.49     4.00     3.25
 YES                    NO
 L0003480         0   0.10850E-06  492445.6 3761028.4   685.1     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:35:31

                     PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
```

SOURCE ID	SCALAR VARY CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0003481	0	0.10850E-06	492445.5	3761037.0	687.4	3.49	4.00	3.25	
YES									NO
L0003482	0	0.10850E-06	492445.4	3761045.6	689.7	3.49	4.00	3.25	
YES									NO
L0003483	0	0.10850E-06	492445.4	3761054.2	692.0	3.49	4.00	3.25	
YES									NO
L0003484	0	0.10850E-06	492445.3	3761062.8	693.1	3.49	4.00	3.25	
YES									NO
L0003485	0	0.10850E-06	492445.2	3761071.3	694.0	3.49	4.00	3.25	
YES									NO
L0003486	0	0.10850E-06	492445.2	3761079.9	694.8	3.49	4.00	3.25	
YES									NO
L0003487	0	0.10850E-06	492445.1	3761088.5	695.4	3.49	4.00	3.25	
YES									NO
L0003488	0	0.10850E-06	492445.0	3761097.1	695.1	3.49	4.00	3.25	
YES									NO
L0003489	0	0.10850E-06	492445.0	3761105.7	694.8	3.49	4.00	3.25	
YES									NO
L0003490	0	0.10850E-06	492444.9	3761114.3	694.5	3.49	4.00	3.25	
YES									NO
L0003491	0	0.10850E-06	492444.8	3761122.9	695.1	3.49	4.00	3.25	
YES									NO
L0003492	0	0.10850E-06	492444.7	3761131.5	696.0	3.49	4.00	3.25	
YES									NO
L0003493	0	0.10850E-06	492444.7	3761140.1	696.9	3.49	4.00	3.25	
YES									NO
L0003494	0	0.10850E-06	492444.6	3761148.7	697.5	3.49	4.00	3.25	
YES									NO
L0003495	0	0.10850E-06	492444.5	3761157.2	697.3	3.49	4.00	3.25	
YES									NO
L0003496	0	0.10850E-06	492444.5	3761165.8	697.2	3.49	4.00	3.25	
YES									NO
L0003497	0	0.10850E-06	492444.4	3761174.4	697.0	3.49	4.00	3.25	
YES									NO
L0003498	0	0.10850E-06	492444.3	3761183.0	696.8	3.49	4.00	3.25	
YES									NO
L0003499	0	0.10850E-06	492444.2	3761191.6	696.7	3.49	4.00	3.25	
YES									NO
L0003500	0	0.10850E-06	492444.2	3761200.2	696.4	3.49	4.00	3.25	
YES									NO
L0003501	0	0.10850E-06	492444.1	3761208.8	696.6	3.49	4.00	3.25	
YES									NO
L0003502	0	0.10850E-06	492444.0	3761217.4	697.7	3.49	4.00	3.25	
YES									NO
L0003503	0	0.10850E-06	492444.0	3761226.0	698.7	3.49	4.00	3.25	
YES									NO
L0003504	0	0.10850E-06	492443.9	3761234.5	699.8	3.49	4.00	3.25	
YES									NO
L0003505	0	0.10850E-06	492443.8	3761243.1	699.7	3.49	4.00	3.25	
YES									NO
L0003506	0	0.10850E-06	492443.8	3761251.7	699.2	3.49	4.00	3.25	
YES									NO
L0003507	0	0.10850E-06	492443.7	3761260.3	698.8	3.49	4.00	3.25	
YES									NO
L0003508	0	0.10850E-06	492443.6	3761268.9	698.0	3.49	4.00	3.25	
YES									NO
L0003509	0	0.10850E-06	492443.5	3761277.5	696.2	3.49	4.00	3.25	
YES									NO
L0003510	0	0.10850E-06	492443.5	3761286.1	694.4	3.49	4.00	3.25	
YES									NO

```
 L0003511         0   0.10850E-06  492443.4 3761294.7   692.6     3.49     4.00     3.25
 YES                    NO
 L0003512         0   0.10850E-06  492443.3 3761303.3   690.1     3.49     4.00     3.25
 YES                    NO
 L0003513         0   0.10850E-06  492443.3 3761311.9   687.4     3.49     4.00     3.25
 YES                    NO
 L0003514         0   0.10850E-06  492443.2 3761320.4   684.8     3.49     4.00     3.25
 YES                    NO
 L0003515         0   0.10850E-06  492443.1 3761329.0   682.9     3.49     4.00     3.25
 YES                    NO
 L0003516         0   0.10850E-06  492443.1 3761337.6   682.6     3.49     4.00     3.25
 YES                    NO
 L0003517         0   0.10790E-06  492178.5 3761284.0   692.0     3.49     4.00     3.25
 YES                    NO
 L0003518         0   0.10790E-06  492169.9 3761284.0   691.1     3.49     4.00     3.25
 YES                    NO
 L0003519         0   0.10790E-06  492161.3 3761284.0   690.2     3.49     4.00     3.25
 YES                    NO
 L0003520         0   0.10790E-06  492152.7 3761284.0   688.7     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:35:31

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


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
     (METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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 L0003521         0   0.10790E-06  492144.1 3761284.0   687.1     3.49     4.00     3.25
 YES                    NO
 L0003522         0   0.10790E-06  492135.5 3761284.0   685.6     3.49     4.00     3.25
 YES                    NO
 L0003523         0   0.10790E-06  492126.9 3761284.0   684.4     3.49     4.00     3.25
 YES                    NO
 L0003524         0   0.10790E-06  492118.3 3761284.0   683.9     3.49     4.00     3.25
 YES                    NO
 L0003525         0   0.10790E-06  492109.7 3761284.0   683.4     3.49     4.00     3.25
 YES                    NO
 L0003526         0   0.10790E-06  492101.1 3761284.0   682.9     3.49     4.00     3.25
 YES                    NO
 L0003527         0   0.10790E-06  492092.6 3761284.0   683.0     3.49     4.00     3.25
 YES                    NO
 L0003528         0   0.10790E-06  492084.0 3761284.0   683.1     3.49     4.00     3.25
 YES                    NO
 L0003529         0   0.10790E-06  492075.4 3761284.0   683.3     3.49     4.00     3.25
 YES                    NO
 L0003530         0   0.10790E-06  492077.9 3761281.9   683.3     3.49     4.00     3.25
 YES                    NO
 L0003531         0   0.10790E-06  492085.9 3761278.7   683.4     3.49     4.00     3.25
 YES                    NO
 L0003532         0   0.10790E-06  492093.9 3761275.5   683.4     3.49     4.00     3.25
 YES                    NO
 L0003533         0   0.10790E-06  492101.9 3761272.4   683.6     3.49     4.00     3.25
 YES                    NO
```

L0003534	0	0.10790E-06	492109.4	3761268.3	683.9	3.49	4.00	3.25
YES		NO						
L0003535	0	0.10790E-06	492116.5	3761263.5	683.4	3.49	4.00	3.25
YES		NO						
L0003536	0	0.10790E-06	492123.6	3761258.7	682.0	3.49	4.00	3.25
YES		NO						
L0003537	0	0.10790E-06	492130.8	3761253.9	680.3	3.49	4.00	3.25
YES		NO						
L0003538	0	0.10790E-06	492134.2	3761246.6	677.9	3.49	4.00	3.25
YES		NO						
L0003539	0	0.10790E-06	492136.1	3761238.3	675.1	3.49	4.00	3.25
YES		NO						
L0003540	0	0.10790E-06	492138.0	3761229.9	673.3	3.49	4.00	3.25
YES		NO						
L0003541	0	0.10790E-06	492139.9	3761221.5	672.2	3.49	4.00	3.25
YES		NO						
L0003542	0	0.10790E-06	492140.8	3761213.0	671.2	3.49	4.00	3.25
YES		NO						
L0003543	0	0.10790E-06	492140.8	3761204.4	671.2	3.49	4.00	3.25
YES		NO						
L0003544	0	0.10790E-06	492140.8	3761195.8	675.0	3.49	4.00	3.25
YES		NO						
L0003545	0	0.10790E-06	492140.8	3761187.2	678.9	3.49	4.00	3.25
YES		NO						
L0003546	0	0.10790E-06	492140.8	3761178.7	682.7	3.49	4.00	3.25
YES		NO						
L0003547	0	0.10790E-06	492142.5	3761170.4	684.8	3.49	4.00	3.25
YES		NO						
L0003548	0	0.10790E-06	492145.9	3761162.6	686.3	3.49	4.00	3.25
YES		NO						
L0003549	0	0.10790E-06	492151.1	3761156.6	687.8	3.49	4.00	3.25
YES		NO						
L0003550	0	0.10790E-06	492159.2	3761153.9	689.5	3.49	4.00	3.25
YES		NO						
L0003551	0	0.10790E-06	492167.4	3761151.2	690.1	3.49	4.00	3.25
YES		NO						
L0003552	0	0.10790E-06	492175.6	3761148.5	690.8	3.49	4.00	3.25
YES		NO						
L0003553	0	0.10830E-06	491984.4	3761525.4	679.2	3.49	4.00	3.25
YES		NO						
L0003554	0	0.10830E-06	491993.0	3761525.5	679.1	3.49	4.00	3.25
YES		NO						
L0003555	0	0.10830E-06	492001.5	3761525.6	679.1	3.49	4.00	3.25
YES		NO						
L0003556	0	0.10830E-06	492010.1	3761525.8	679.1	3.49	4.00	3.25
YES		NO						
L0003557	0	0.10830E-06	492018.7	3761525.9	679.4	3.49	4.00	3.25
YES		NO						
L0003558	0	0.10830E-06	492027.3	3761526.0	679.8	3.49	4.00	3.25
YES		NO						
L0003559	0	0.10830E-06	492035.9	3761526.1	680.2	3.49	4.00	3.25
YES		NO						
L0003560	0	0.10830E-06	492044.5	3761526.2	680.6	3.49	4.00	3.25
YES		NO						

*** VOLUME SOURCE DATA ***

NUMBER	EMISSION RATE	BASE	RELEASE	INIT.	INIT.

SOURCE ID	URBAN SOURCE	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SCALAR VARY BY
L0003561	0	0.10830E-06	492053.1	3761526.3	681.2	3.49	4.00	3.25	YES
L0003562	0	0.10830E-06	492061.7	3761526.4	681.7	3.49	4.00	3.25	YES
L0003563	0	0.10830E-06	492070.3	3761526.5	682.3	3.49	4.00	3.25	YES
L0003564	0	0.10830E-06	492078.8	3761526.6	682.5	3.49	4.00	3.25	YES
L0003565	0	0.10830E-06	492087.4	3761526.7	682.7	3.49	4.00	3.25	YES
L0003566	0	0.10830E-06	492096.0	3761526.9	682.8	3.49	4.00	3.25	YES
L0003567	0	0.10830E-06	492104.6	3761527.0	683.1	3.49	4.00	3.25	YES
L0003568	0	0.10830E-06	492113.2	3761527.1	683.5	3.49	4.00	3.25	YES
L0003569	0	0.10830E-06	492121.8	3761527.2	683.8	3.49	4.00	3.25	YES
L0003570	0	0.10830E-06	492130.4	3761527.3	684.2	3.49	4.00	3.25	YES
L0003571	0	0.10830E-06	492139.0	3761527.4	685.1	3.49	4.00	3.25	YES
L0003572	0	0.10830E-06	492147.6	3761527.5	686.1	3.49	4.00	3.25	YES
L0003573	0	0.10830E-06	492156.1	3761527.6	687.0	3.49	4.00	3.25	YES
L0003574	0	0.10830E-06	492164.7	3761527.7	687.5	3.49	4.00	3.25	YES
L0003575	0	0.10830E-06	492173.3	3761527.8	687.6	3.49	4.00	3.25	YES
L0003576	0	0.10830E-06	492181.9	3761528.0	687.8	3.49	4.00	3.25	YES
L0003577	0	0.10830E-06	492190.5	3761528.1	687.9	3.49	4.00	3.25	YES
L0003578	0	0.10830E-06	492199.1	3761528.2	687.0	3.49	4.00	3.25	YES
L0003579	0	0.10830E-06	492207.7	3761528.3	686.1	3.49	4.00	3.25	YES
L0003580	0	0.10830E-06	492216.3	3761528.4	685.2	3.49	4.00	3.25	YES
L0003581	0	0.10830E-06	492224.9	3761528.5	684.3	3.49	4.00	3.25	YES
L0003582	0	0.10830E-06	492233.5	3761528.6	683.3	3.49	4.00	3.25	YES
L0003583	0	0.10830E-06	492242.0	3761528.7	682.4	3.49	4.00	3.25	YES
L0003584	0	0.10830E-06	492250.6	3761528.8	681.5	3.49	4.00	3.25	YES
L0003585	0	0.10830E-06	492259.2	3761528.9	680.9	3.49	4.00	3.25	YES
L0003586	0	0.10830E-06	492267.8	3761529.1	680.3	3.49	4.00	3.25	YES
L0003587	0	0.10830E-06	492276.4	3761529.2	679.7	3.49	4.00	3.25	YES
L0003588	0	0.10830E-06	492285.0	3761529.3	679.5	3.49	4.00	3.25	YES
L0003589	0	0.10830E-06	492293.6	3761529.4	679.7	3.49	4.00	3.25	YES

```
 L0003590         0   0.10830E-06  492302.2 3761529.5   679.9     3.49     4.00     3.25
 YES                    NO
 L0003591         0   0.10830E-06  492310.8 3761529.6   680.1     3.49     4.00     3.25
 YES                    NO
 L0003592         0   0.10830E-06  492319.3 3761529.7   679.6     3.49     4.00     3.25
 YES                    NO
 L0003593         0   0.10830E-06  492327.9 3761529.8   679.1     3.49     4.00     3.25
 YES                    NO
 L0003594         0   0.10830E-06  492336.5 3761529.9   678.7     3.49     4.00     3.25
 YES                    NO
 L0003595         0   0.10830E-06  492345.1 3761530.0   678.1     3.49     4.00     3.25
 YES                    NO
 L0003596         0   0.10830E-06  492353.7 3761530.2   677.3     3.49     4.00     3.25
 YES                    NO
 L0003597         0   0.10830E-06  492362.3 3761530.3   676.6     3.49     4.00     3.25
 YES                    NO
 L0003598         0   0.10830E-06  492370.9 3761530.2   676.0     3.49     4.00     3.25
 YES                    NO
 L0003599         0   0.10830E-06  492379.5 3761529.9   676.3     3.49     4.00     3.25
 YES                    NO
 L0003600         0   0.10830E-06  492388.1 3761529.7   676.6     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

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


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
     (METERS)             BY
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 L0003601         0   0.10830E-06  492396.6 3761529.5   676.9     3.49     4.00     3.25
 YES                    NO
 L0003602         0   0.10830E-06  492405.2 3761529.2   676.3     3.49     4.00     3.25
 YES                    NO
 L0003603         0   0.10830E-06  492413.8 3761528.8   675.0     3.49     4.00     3.25
 YES                    NO
 L0003604         0   0.10830E-06  492422.3 3761527.5   673.9     3.49     4.00     3.25
 YES                    NO
 L0003605         0   0.10830E-06  492430.8 3761526.3   673.0     3.49     4.00     3.25
 YES                    NO
 L0003606         0   0.10830E-06  492439.3 3761525.0   673.0     3.49     4.00     3.25
 YES                    NO
 L0003607         0   0.10830E-06  492447.8 3761523.8   673.0     3.49     4.00     3.25
 YES                    NO
 L0003608         0   0.10830E-06  492456.3 3761522.5   672.9     3.49     4.00     3.25
 YES                    NO
 L0003609         0   0.10830E-06  492464.8 3761521.3   673.0     3.49     4.00     3.25
 YES                    NO
 L0003610         0   0.18740E-06  493574.6 3761676.2   709.6     3.49     4.00     3.25
 YES                    NO
 L0003611         0   0.18740E-06  493566.0 3761676.7   710.6     3.49     4.00     3.25
 YES                    NO
 L0003612         0   0.18740E-06  493557.5 3761677.2   710.4     3.49     4.00     3.25
 YES                    NO
```

L0003613	0	0.18740E-06	493548.9	3761677.7	710.2	3.49	4.00	3.25
YES		NO						
L0003614	0	0.18740E-06	493540.4	3761676.9	710.0	3.49	4.00	3.25
YES		NO						
L0003615	0	0.18740E-06	493532.1	3761674.7	709.8	3.49	4.00	3.25
YES		NO						
L0003616	0	0.18740E-06	493523.8	3761672.6	709.7	3.49	4.00	3.25
YES		NO						
L0003617	0	0.18740E-06	493515.4	3761670.6	709.6	3.49	4.00	3.25
YES		NO						
L0003618	0	0.18740E-06	493507.0	3761669.3	709.5	3.49	4.00	3.25
YES		NO						
L0003619	0	0.18740E-06	493498.5	3761668.0	709.4	3.49	4.00	3.25
YES		NO						
L0003620	0	0.18740E-06	493490.0	3761666.8	709.4	3.49	4.00	3.25
YES		NO						
L0003621	0	0.18740E-06	493481.7	3761664.6	709.4	3.49	4.00	3.25
YES		NO						
L0003622	0	0.18740E-06	493474.0	3761660.9	709.5	3.49	4.00	3.25
YES		NO						
L0003623	0	0.18740E-06	493466.3	3761657.1	709.5	3.49	4.00	3.25
YES		NO						
L0003624	0	0.18740E-06	493458.6	3761653.3	709.1	3.49	4.00	3.25
YES		NO						
L0003625	0	0.18740E-06	493450.9	3761649.5	708.8	3.49	4.00	3.25
YES		NO						
L0003626	0	0.18740E-06	493443.1	3761645.8	708.5	3.49	4.00	3.25
YES		NO						
L0003627	0	0.18740E-06	493436.7	3761640.2	708.3	3.49	4.00	3.25
YES		NO						
L0003628	0	0.18740E-06	493430.8	3761634.0	708.1	3.49	4.00	3.25
YES		NO						
L0003629	0	0.18740E-06	493424.9	3761627.8	708.0	3.49	4.00	3.25
YES		NO						
L0003630	0	0.18740E-06	493418.9	3761621.6	707.5	3.49	4.00	3.25
YES		NO						
L0003631	0	0.18740E-06	493413.0	3761615.4	706.7	3.49	4.00	3.25
YES		NO						
L0003632	0	0.18740E-06	493407.0	3761609.2	705.9	3.49	4.00	3.25
YES		NO						
L0003633	0	0.18740E-06	493401.1	3761603.0	705.0	3.49	4.00	3.25
YES		NO						
L0003634	0	0.18740E-06	493395.1	3761596.8	704.2	3.49	4.00	3.25
YES		NO						
L0003635	0	0.18740E-06	493389.0	3761590.8	703.0	3.49	4.00	3.25
YES		NO						
L0003636	0	0.18740E-06	493382.8	3761584.8	701.4	3.49	4.00	3.25
YES		NO						
L0003637	0	0.18740E-06	493376.7	3761578.8	700.0	3.49	4.00	3.25
YES		NO						
L0003638	0	0.18740E-06	493370.5	3761572.8	699.0	3.49	4.00	3.25
YES		NO						
L0003639	0	0.18740E-06	493364.3	3761566.9	698.3	3.49	4.00	3.25
YES		NO						
L0003640	0	0.18740E-06	493358.0	3761561.1	697.2	3.49	4.00	3.25
YES		NO						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SOURCE SCALAR VARY BY
L0003641	0	0.18740E-06	493351.4	3761555.5	696.0	3.49	4.00	3.25	YES NO
L0003642	0	0.18740E-06	493344.9	3761549.9	694.9	3.49	4.00	3.25	YES NO
L0003643	0	0.18740E-06	493338.4	3761544.3	694.0	3.49	4.00	3.25	YES NO
L0003644	0	0.18740E-06	493331.8	3761538.9	693.2	3.49	4.00	3.25	YES NO
L0003645	0	0.18740E-06	493324.1	3761535.1	692.6	3.49	4.00	3.25	YES NO
L0003646	0	0.18740E-06	493316.3	3761531.4	691.9	3.49	4.00	3.25	YES NO
L0003647	0	0.18740E-06	493308.6	3761527.7	691.3	3.49	4.00	3.25	YES NO
L0003648	0	0.18740E-06	493300.7	3761524.4	690.8	3.49	4.00	3.25	YES NO
L0003649	0	0.18740E-06	493292.4	3761522.1	690.7	3.49	4.00	3.25	YES NO
L0003650	0	0.18740E-06	493284.1	3761519.9	690.6	3.49	4.00	3.25	YES NO
L0003651	0	0.18740E-06	493275.8	3761517.6	690.4	3.49	4.00	3.25	YES NO
L0003652	0	0.18740E-06	493267.6	3761515.3	690.3	3.49	4.00	3.25	YES NO
L0003653	0	0.18740E-06	493259.3	3761513.0	690.2	3.49	4.00	3.25	YES NO
L0003654	0	0.18740E-06	493251.0	3761510.7	690.1	3.49	4.00	3.25	YES NO
L0003655	0	0.18740E-06	493242.7	3761508.4	690.1	3.49	4.00	3.25	YES NO
L0003656	0	0.18740E-06	493234.4	3761506.2	690.0	3.49	4.00	3.25	YES NO
L0003657	0	0.18740E-06	493225.9	3761506.5	690.0	3.49	4.00	3.25	YES NO
L0003658	0	0.18740E-06	493217.3	3761506.9	690.0	3.49	4.00	3.25	YES NO
L0003659	0	0.18740E-06	493208.7	3761507.3	690.0	3.49	4.00	3.25	YES NO
L0003660	0	0.18740E-06	493200.1	3761507.7	689.4	3.49	4.00	3.25	YES NO
L0003661	0	0.18740E-06	493191.5	3761508.2	688.9	3.49	4.00	3.25	YES NO
L0003662	0	0.18740E-06	493183.0	3761508.6	688.3	3.49	4.00	3.25	YES NO
L0003663	0	0.18740E-06	493174.4	3761509.0	688.2	3.49	4.00	3.25	YES NO
L0003664	0	0.18740E-06	493165.8	3761509.4	688.2	3.49	4.00	3.25	YES NO
L0003665	0	0.18740E-06	493157.2	3761509.9	688.1	3.49	4.00	3.25	YES NO
L0003666	0	0.18740E-06	493148.7	3761511.0	688.1	3.49	4.00	3.25	YES NO
L0003667	0	0.18740E-06	493140.4	3761512.9	688.0	3.49	4.00	3.25	YES NO
L0003668	0	0.18740E-06	493132.0	3761514.9	687.8	3.49	4.00	3.25	YES NO

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 L0003669         0   0.18740E-06  493123.6 3761516.8   687.8     3.49     4.00     3.25
 YES                    NO
 L0003670         0   0.18740E-06  493115.3 3761518.8   687.7     3.49     4.00     3.25
 YES                    NO
 L0003671         0   0.18740E-06  493106.9 3761520.7   687.7     3.49     4.00     3.25
 YES                    NO
 L0003672         0   0.18740E-06  493098.5 3761522.6   687.8     3.49     4.00     3.25
 YES                    NO
 L0003673         0   0.18740E-06  493090.1 3761524.3   687.8     3.49     4.00     3.25
 YES                    NO
 L0003674         0   0.18740E-06  493081.6 3761525.7   687.6     3.49     4.00     3.25
 YES                    NO
 L0003675         0   0.18740E-06  493073.2 3761527.2   687.3     3.49     4.00     3.25
 YES                    NO
 L0003676         0   0.18740E-06  493064.7 3761528.7   687.0     3.49     4.00     3.25
 YES                    NO
 L0003677         0   0.18740E-06  493056.3 3761530.2   686.8     3.49     4.00     3.25
 YES                    NO
 L0003678         0   0.18740E-06  493047.8 3761531.7   686.9     3.49     4.00     3.25
 YES                    NO
 L0003679         0   0.18740E-06  493039.3 3761533.2   687.0     3.49     4.00     3.25
 YES                    NO
 L0003680         0   0.18740E-06  493030.8 3761534.1   687.0     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

                     PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                      BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE      PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
     (METERS)             BY
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 L0003681         0   0.18740E-06  493022.3 3761535.0   686.7     3.49     4.00     3.25
 YES                    NO
 L0003682         0   0.18740E-06  493013.7 3761535.9   686.4     3.49     4.00     3.25
 YES                    NO
 L0003683         0   0.18740E-06  493005.2 3761536.8   686.1     3.49     4.00     3.25
 YES                    NO
 L0003684         0   0.18740E-06  492996.6 3761537.7   685.9     3.49     4.00     3.25
 YES                    NO
 L0003685         0   0.18740E-06  492988.1 3761538.6   685.8     3.49     4.00     3.25
 YES                    NO
 L0003686         0   0.18740E-06  492979.5 3761539.5   685.7     3.49     4.00     3.25
 YES                    NO
 L0003687         0   0.18740E-06  492971.0 3761540.4   685.6     3.49     4.00     3.25
 YES                    NO
 L0003688         0   0.18740E-06  492962.5 3761541.3   685.1     3.49     4.00     3.25
 YES                    NO
 L0003689         0   0.18740E-06  492953.9 3761541.3   684.6     3.49     4.00     3.25
 YES                    NO
 L0003690         0   0.18740E-06  492945.3 3761541.3   684.1     3.49     4.00     3.25
 YES                    NO
 L0003691         0   0.18740E-06  492936.7 3761541.3   683.8     3.49     4.00     3.25
 YES                    NO
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L0003692	0	0.18740E-06	492928.1	3761540.5	683.9	3.49	4.00	3.25
YES		NO						
L0003693	0	0.18740E-06	492919.6	3761539.3	684.0	3.49	4.00	3.25
YES		NO						
L0003694	0	0.18740E-06	492911.1	3761538.1	684.0	3.49	4.00	3.25
YES		NO						
L0003695	0	0.18740E-06	492902.6	3761536.9	683.7	3.49	4.00	3.25
YES		NO						
L0003696	0	0.18740E-06	492894.1	3761535.7	683.5	3.49	4.00	3.25
YES		NO						
L0003697	0	0.18740E-06	492885.6	3761534.5	683.2	3.49	4.00	3.25
YES		NO						
L0003698	0	0.18740E-06	492877.1	3761533.3	683.0	3.49	4.00	3.25
YES		NO						
L0003699	0	0.18740E-06	492868.6	3761532.1	683.0	3.49	4.00	3.25
YES		NO						
L0003700	0	0.18740E-06	492860.1	3761531.0	683.0	3.49	4.00	3.25
YES		NO						
L0003701	0	0.18740E-06	492851.5	3761530.3	683.0	3.49	4.00	3.25
YES		NO						
L0003702	0	0.18740E-06	492843.0	3761529.5	683.0	3.49	4.00	3.25
YES		NO						
L0003703	0	0.18740E-06	492834.4	3761528.8	683.0	3.49	4.00	3.25
YES		NO						
L0003704	0	0.18740E-06	492825.9	3761528.0	683.0	3.49	4.00	3.25
YES		NO						
L0003705	0	0.18740E-06	492817.3	3761527.3	683.1	3.49	4.00	3.25
YES		NO						
L0003706	0	0.18740E-06	492808.7	3761526.5	683.3	3.49	4.00	3.25
YES		NO						
L0003707	0	0.18740E-06	492800.2	3761526.1	683.4	3.49	4.00	3.25
YES		NO						
L0003708	0	0.18740E-06	492791.6	3761526.1	683.6	3.49	4.00	3.25
YES		NO						
L0003709	0	0.18740E-06	492783.0	3761526.0	683.5	3.49	4.00	3.25
YES		NO						
L0003710	0	0.18740E-06	492774.4	3761525.9	683.3	3.49	4.00	3.25
YES		NO						
L0003711	0	0.18740E-06	492765.8	3761525.8	683.1	3.49	4.00	3.25
YES		NO						
L0003712	0	0.18740E-06	492757.2	3761525.8	683.0	3.49	4.00	3.25
YES		NO						
L0003713	0	0.18740E-06	492748.6	3761525.7	683.0	3.49	4.00	3.25
YES		NO						
L0003714	0	0.18740E-06	492740.0	3761525.6	683.0	3.49	4.00	3.25
YES		NO						
L0003715	0	0.18740E-06	492731.5	3761525.5	683.0	3.49	4.00	3.25
YES		NO						
L0003716	0	0.18740E-06	492722.9	3761525.5	683.0	3.49	4.00	3.25
YES		NO						
L0003717	0	0.18740E-06	492714.3	3761525.4	683.0	3.49	4.00	3.25
YES		NO						
L0003718	0	0.18740E-06	492705.7	3761525.3	683.0	3.49	4.00	3.25
YES		NO						
L0003719	0	0.18740E-06	492697.1	3761525.2	683.0	3.49	4.00	3.25
YES		NO						
L0003720	0	0.18740E-06	492688.5	3761525.1	683.0	3.49	4.00	3.25
YES		NO						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. SCALAR CATS.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	VARY BY
L0003721	0	0.18740E-06	492679.9	3761524.9	683.0	3.49	4.00	3.25	NO
L0003722	0	0.18740E-06	492671.3	3761524.7	683.0	3.49	4.00	3.25	NO
L0003723	0	0.18740E-06	492662.7	3761524.5	683.3	3.49	4.00	3.25	NO
L0003724	0	0.18740E-06	492654.2	3761524.3	683.8	3.49	4.00	3.25	NO
L0003725	0	0.18740E-06	492645.6	3761524.1	684.2	3.49	4.00	3.25	NO
L0003726	0	0.18740E-06	492637.0	3761523.9	684.3	3.49	4.00	3.25	NO
L0003727	0	0.18740E-06	492628.4	3761523.7	683.9	3.49	4.00	3.25	NO
L0003728	0	0.18740E-06	492619.8	3761523.5	683.4	3.49	4.00	3.25	NO
L0003729	0	0.18740E-06	492611.2	3761523.3	683.0	3.49	4.00	3.25	NO
L0003730	0	0.18740E-06	492602.6	3761523.1	683.0	3.49	4.00	3.25	NO
L0003731	0	0.18740E-06	492594.0	3761522.9	683.0	3.49	4.00	3.25	NO
L0003732	0	0.18740E-06	492585.5	3761522.7	683.0	3.49	4.00	3.25	NO
L0003733	0	0.18740E-06	492576.9	3761522.5	683.0	3.49	4.00	3.25	NO
L0003734	0	0.18740E-06	492568.3	3761522.3	683.0	3.49	4.00	3.25	NO
L0003735	0	0.18740E-06	492559.7	3761522.1	683.0	3.49	4.00	3.25	NO
L0003736	0	0.18740E-06	492551.1	3761521.9	683.0	3.49	4.00	3.25	NO
L0003737	0	0.18740E-06	492542.5	3761521.7	682.5	3.49	4.00	3.25	NO
L0003738	0	0.18740E-06	492533.9	3761521.5	681.9	3.49	4.00	3.25	NO
L0003739	0	0.18740E-06	492525.3	3761521.3	681.3	3.49	4.00	3.25	NO
L0003740	0	0.18740E-06	492516.8	3761521.0	680.0	3.49	4.00	3.25	NO
L0003741	0	0.18740E-06	492508.2	3761520.7	677.7	3.49	4.00	3.25	NO
L0003742	0	0.18740E-06	492499.6	3761520.4	675.4	3.49	4.00	3.25	NO
L0003743	0	0.18740E-06	492491.0	3761520.1	673.1	3.49	4.00	3.25	NO
L0003744	0	0.18740E-06	492483.9	3761515.3	672.9	3.49	4.00	3.25	NO
L0003745	0	0.18740E-06	492479.1	3761509.3	673.4	3.49	4.00	3.25	NO
L0003746	0	0.18740E-06	492479.1	3761500.7	675.3	3.49	4.00	3.25	NO
L0003747	0	0.18740E-06	492479.1	3761492.1	678.1	3.49	4.00	3.25	NO

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 L0003748         0   0.18740E-06  492479.1 3761483.5   681.0     3.49     4.00     3.25
 YES                    NO
 L0003749         0   0.18740E-06  492479.2 3761474.9   683.4     3.49     4.00     3.25
 YES                    NO
 L0003750         0   0.18740E-06  492479.3 3761466.3   683.4     3.49     4.00     3.25
 YES                    NO
 L0003751         0   0.18740E-06  492479.4 3761457.7   683.5     3.49     4.00     3.25
 YES                    NO
 L0003752         0   0.18740E-06  492479.4 3761449.2   683.6     3.49     4.00     3.25
 YES                    NO
 L0003753         0   0.18740E-06  492479.5 3761440.6   683.5     3.49     4.00     3.25
 YES                    NO
 L0003754         0   0.18740E-06  492479.6 3761432.0   683.3     3.49     4.00     3.25
 YES                    NO
 L0003755         0   0.18740E-06  492479.7 3761423.4   683.1     3.49     4.00     3.25
 YES                    NO
 L0003756         0   0.18740E-06  492479.8 3761414.8   683.0     3.49     4.00     3.25
 YES                    NO
 L0003757         0   0.18740E-06  492479.9 3761406.2   683.1     3.49     4.00     3.25
 YES                    NO
 L0003758         0   0.18740E-06  492479.9 3761397.6   683.2     3.49     4.00     3.25
 YES                    NO
 L0003759         0   0.18740E-06  492480.0 3761389.0   683.3     3.49     4.00     3.25
 YES                    NO
 L0003760         0   0.18740E-06  492480.1 3761380.4   683.3     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:35:31

                      PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

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

 L0003761         0   0.18740E-06  492480.2 3761371.8   683.2     3.49     4.00     3.25
 YES                    NO
 L0003762         0   0.18740E-06  492480.3 3761363.3   683.1     3.49     4.00     3.25
 YES                    NO
 L0003763         0   0.18740E-06  492480.3 3761354.7   683.0     3.49     4.00     3.25
 YES                    NO
 L0003764         0   0.18740E-06  492480.4 3761346.1   683.0     3.49     4.00     3.25
 YES                    NO
 L0003765         0   0.18740E-06  492480.5 3761337.5   683.0     3.49     4.00     3.25
 YES                    NO
 L0003766         0   0.18740E-06  492480.6 3761328.9   683.0     3.49     4.00     3.25
 YES                    NO
 L0003767         0   0.18740E-06  492480.7 3761320.3   683.8     3.49     4.00     3.25
 YES                    NO
 L0003768         0   0.18740E-06  492480.8 3761311.7   685.1     3.49     4.00     3.25
 YES                    NO
 L0003769         0   0.18740E-06  492480.8 3761303.1   686.3     3.49     4.00     3.25
 YES                    NO
 L0003770         0   0.18740E-06  492480.9 3761294.5   687.7     3.49     4.00     3.25
 YES                    NO
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 L0003771         0   0.18740E-06  492481.0 3761286.0   690.2     3.49     4.00     3.25
 YES                    NO
 L0003772         0   0.18740E-06  492481.1 3761277.4   692.7     3.49     4.00     3.25
 YES                    NO
 L0003773         0   0.18740E-06  492481.2 3761268.8   695.2     3.49     4.00     3.25
 YES                    NO
 L0003774         0   0.18740E-06  492481.3 3761260.2   696.6     3.49     4.00     3.25
 YES                    NO
 L0003775         0   0.18740E-06  492481.3 3761251.6   697.6     3.49     4.00     3.25
 YES                    NO
 L0003776         0   0.18740E-06  492481.4 3761243.0   698.5     3.49     4.00     3.25
 YES                    NO
 L0003777         0   0.18740E-06  492481.5 3761234.4   699.3     3.49     4.00     3.25
 YES                    NO
 L0003778         0   0.18740E-06  492481.6 3761225.8   699.2     3.49     4.00     3.25
 YES                    NO
 L0003779         0   0.18740E-06  492481.7 3761217.2   699.1     3.49     4.00     3.25
 YES                    NO
 L0003780         0   0.18740E-06  492481.8 3761208.6   699.0     3.49     4.00     3.25
 YES                    NO
 L0003781         0   0.18740E-06  492481.8 3761200.1   698.9     3.49     4.00     3.25
 YES                    NO
 L0003782         0   0.18740E-06  492481.9 3761191.5   698.7     3.49     4.00     3.25
 YES                    NO
 L0003783         0   0.18740E-06  492482.0 3761182.9   698.6     3.49     4.00     3.25
 YES                    NO
 L0003784         0   0.18740E-06  492482.1 3761174.3   698.4     3.49     4.00     3.25
 YES                    NO
 L0003785         0   0.18740E-06  492482.2 3761165.7   698.5     3.49     4.00     3.25
 YES                    NO
 L0003786         0   0.18740E-06  492482.3 3761157.1   698.5     3.49     4.00     3.25
 YES                    NO
 L0003787         0   0.18740E-06  492482.3 3761148.5   698.5     3.49     4.00     3.25
 YES                    NO
 L0003788         0   0.18740E-06  492482.4 3761139.9   698.2     3.49     4.00     3.25
 YES                    NO
 L0003789         0   0.18740E-06  492482.5 3761131.3   697.9     3.49     4.00     3.25
 YES                    NO
 L0003790         0   0.18740E-06  492482.6 3761122.7   697.5     3.49     4.00     3.25
 YES                    NO
 L0003791         0   0.18740E-06  492482.7 3761114.2   697.2     3.49     4.00     3.25
 YES                    NO
 L0003792         0   0.18740E-06  492482.8 3761105.6   697.0     3.49     4.00     3.25
 YES                    NO
 L0003793         0   0.18740E-06  492482.8 3761097.0   696.8     3.49     4.00     3.25
 YES                    NO
 L0003794         0   0.18740E-06  492482.9 3761088.4   696.5     3.49     4.00     3.25
 YES                    NO
 L0003795         0   0.18740E-06  492483.0 3761079.8   696.0     3.49     4.00     3.25
 YES                    NO
 L0003796         0   0.18740E-06  492483.1 3761071.2   695.4     3.49     4.00     3.25
 YES                    NO
 L0003797         0   0.18740E-06  492483.2 3761062.6   694.7     3.49     4.00     3.25
 YES                    NO
 L0003798         0   0.18740E-06  492483.3 3761054.0   693.9     3.49     4.00     3.25
 YES                    NO
 L0003799         0   0.18740E-06  492483.3 3761045.4   692.7     3.49     4.00     3.25
 YES                    NO
 L0003800         0   0.18740E-06  492483.4 3761036.9   691.5     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

                    PAGE  47
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. SCALAR VARY CATS. BY	EMISSION RATE EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	
L0003801	0	0.18740E-06	492483.5	3761028.3	690.4	3.49	4.00	3.25	YES NO
L0003802	0	0.18740E-06	492483.6	3761019.7	690.0	3.49	4.00	3.25	YES NO
L0003803	0	0.18740E-06	492483.7	3761011.1	689.8	3.49	4.00	3.25	YES NO
L0003804	0	0.18740E-06	492483.8	3761002.5	689.7	3.49	4.00	3.25	YES NO
L0003805	0	0.18740E-06	492483.8	3760993.9	689.9	3.49	4.00	3.25	YES NO
L0003806	0	0.18740E-06	492483.9	3760985.3	691.3	3.49	4.00	3.25	YES NO
L0003807	0	0.18740E-06	492484.0	3760976.7	692.6	3.49	4.00	3.25	YES NO
L0003808	0	0.18740E-06	492484.1	3760968.1	693.9	3.49	4.00	3.25	YES NO
L0003809	0	0.18740E-06	492489.7	3760962.0	694.4	3.49	4.00	3.25	YES NO
L0003810	0	0.18740E-06	492496.0	3760956.2	694.9	3.49	4.00	3.25	YES NO
L0003811	0	0.18740E-06	492503.8	3760954.5	694.8	3.49	4.00	3.25	YES NO
L0003812	0	0.18740E-06	492512.4	3760955.1	694.6	3.49	4.00	3.25	YES NO
L0003813	0	0.18740E-06	492520.9	3760955.7	694.4	3.49	4.00	3.25	YES NO
L0003814	0	0.18740E-06	492529.5	3760956.3	694.6	3.49	4.00	3.25	YES NO
L0003815	0	0.18740E-06	492538.1	3760956.9	694.9	3.49	4.00	3.25	YES NO
L0003816	0	0.18740E-06	492546.7	3760957.5	695.3	3.49	4.00	3.25	YES NO
L0003817	0	0.18740E-06	492555.2	3760958.1	696.0	3.49	4.00	3.25	YES NO
L0003818	0	0.18740E-06	492563.8	3760958.6	696.9	3.49	4.00	3.25	YES NO
L0003819	0	0.18740E-06	492572.4	3760959.2	697.9	3.49	4.00	3.25	YES NO
L0003820	0	0.18740E-06	492581.0	3760959.1	698.9	3.49	4.00	3.25	YES NO
L0003821	0	0.18740E-06	492589.5	3760959.0	700.1	3.49	4.00	3.25	YES NO
L0003822	0	0.18740E-06	492598.1	3760959.0	701.3	3.49	4.00	3.25	YES NO
L0003823	0	0.18740E-06	492606.7	3760958.9	702.5	3.49	4.00	3.25	YES NO
L0003824	0	0.18740E-06	492615.3	3760958.9	703.0	3.49	4.00	3.25	YES NO
L0003825	0	0.18740E-06	492623.9	3760958.8	703.0	3.49	4.00	3.25	YES NO
L0003826	0	0.18740E-06	492632.5	3760958.7	703.0	3.49	4.00	3.25	YES NO

L0003827	0	0.18740E-06	492641.1	3760958.7	702.9	3.49	4.00	3.25	
YES		NO							
L0003828	0	0.18740E-06	492649.7	3760958.6	702.4	3.49	4.00	3.25	
YES		NO							
L0003829	0	0.18740E-06	492658.3	3760958.5	701.9	3.49	4.00	3.25	
YES		NO							
L0003830	0	0.18740E-06	492666.9	3760958.5	701.4	3.49	4.00	3.25	
YES		NO							
L0003831	0	0.18740E-06	492675.4	3760958.4	700.9	3.49	4.00	3.25	
YES		NO							
L0003832	0	0.18740E-06	492684.0	3760958.4	700.3	3.49	4.00	3.25	
YES		NO							
L0003833	0	0.18740E-06	492692.6	3760958.3	699.7	3.49	4.00	3.25	
YES		NO							
L0003834	0	0.18740E-06	492701.2	3760958.2	699.1	3.49	4.00	3.25	
YES		NO							
L0003835	0	0.18740E-06	492709.8	3760958.2	698.2	3.49	4.00	3.25	
YES		NO							
L0003836	0	0.18740E-06	492718.3	3760959.6	697.3	3.49	4.00	3.25	
YES		NO							
L0003837	0	0.18740E-06	492726.8	3760961.0	696.4	3.49	4.00	3.25	
YES		NO							
L0003838	0	0.18740E-06	492735.2	3760962.3	695.9	3.49	4.00	3.25	
YES		NO							
L0003839	0	0.18740E-06	492743.7	3760963.7	695.7	3.49	4.00	3.25	
YES		NO							
L0003840	0	0.18740E-06	492752.2	3760965.0	695.4	3.49	4.00	3.25	
YES		NO							

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0003841	0	0.18740E-06	492760.7	3760966.4	694.9	3.49	4.00	3.25
YES		NO						
L0003842	0	0.18740E-06	492769.2	3760967.7	693.3	3.49	4.00	3.25
YES		NO						
L0003843	0	0.18740E-06	492777.7	3760969.1	691.6	3.49	4.00	3.25
YES		NO						
L0003844	0	0.18740E-06	492786.0	3760971.1	689.7	3.49	4.00	3.25
YES		NO						
L0003845	0	0.18740E-06	492794.3	3760973.1	687.6	3.49	4.00	3.25
YES		NO						
L0003846	0	0.18740E-06	492802.7	3760975.2	685.8	3.49	4.00	3.25
YES		NO						
L0003847	0	0.18740E-06	492811.0	3760977.3	684.1	3.49	4.00	3.25
YES		NO						
L0003848	0	0.18740E-06	492819.3	3760979.4	682.7	3.49	4.00	3.25
YES		NO						
L0003849	0	0.18740E-06	492827.7	3760981.5	682.1	3.49	4.00	3.25
YES		NO						

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 L0003850         0   0.18740E-06  492836.2 3760982.1   681.8     3.49     4.00     3.25
 YES                    NO
 L0003851         0   0.18740E-06  492844.7 3760981.8   681.3     3.49     4.00     3.25
 YES                    NO
 L0003852         0   0.18740E-06  492853.3 3760981.5   681.2     3.49     4.00     3.25
 YES                    NO
 L0003853         0   0.18740E-06  492861.9 3760981.2   681.6     3.49     4.00     3.25
 YES                    NO
 L0003854         0   0.18740E-06  492870.5 3760980.9   682.0     3.49     4.00     3.25
 YES                    NO
 L0003855         0   0.18740E-06  492879.1 3760980.5   682.5     3.49     4.00     3.25
 YES                    NO
 L0003856         0   0.18740E-06  492887.7 3760980.1   682.1     3.49     4.00     3.25
 YES                    NO
 L0003857         0   0.18740E-06  492896.2 3760979.2   681.8     3.49     4.00     3.25
 YES                    NO
 L0003858         0   0.18740E-06  492904.7 3760978.3   681.6     3.49     4.00     3.25
 YES                    NO
 L0003859         0   0.18740E-06  492913.3 3760977.4   681.0     3.49     4.00     3.25
 YES                    NO
 L0003860         0   0.18740E-06  492921.8 3760976.4   679.4     3.49     4.00     3.25
 YES                    NO
 L0003861         0   0.18740E-06  492930.4 3760975.5   677.7     3.49     4.00     3.25
 YES                    NO
 L0003862         0   0.18740E-06  492938.9 3760974.6   675.9     3.49     4.00     3.25
 YES                    NO
 L0003863         0   0.18740E-06  492947.4 3760973.7   673.8     3.49     4.00     3.25
 YES                    NO
 L0003864         0   0.18740E-06  492956.0 3760972.7   671.5     3.49     4.00     3.25
 YES                    NO
 L0003865         0   0.18740E-06  492964.5 3760972.8   669.2     3.49     4.00     3.25
 YES                    NO
 L0003866         0   0.18740E-06  492973.0 3760974.0   667.3     3.49     4.00     3.25
 YES                    NO
 L0003867         0   0.18740E-06  492981.5 3760975.3   666.9     3.49     4.00     3.25
 YES                    NO
 L0003868         0   0.18740E-06  492990.0 3760976.5   666.4     3.49     4.00     3.25
 YES                    NO
 L0003869         0   0.18740E-06  492998.5 3760977.7   666.1     3.49     4.00     3.25
 YES                    NO
 L0003870         0   0.18740E-06  493007.0 3760979.0   666.5     3.49     4.00     3.25
 YES                    NO
 L0003871         0   0.18740E-06  493015.5 3760980.2   667.2     3.49     4.00     3.25
 YES                    NO
 L0003872         0   0.18740E-06  493024.0 3760981.4   668.0     3.49     4.00     3.25
 YES                    NO
 L0003873         0   0.18740E-06  493032.5 3760982.6   669.0     3.49     4.00     3.25
 YES                    NO
 L0003874         0   0.18740E-06  493040.9 3760984.3   671.2     3.49     4.00     3.25
 YES                    NO
 L0003875         0   0.18740E-06  493049.3 3760986.3   673.5     3.49     4.00     3.25
 YES                    NO
 L0003876         0   0.18740E-06  493057.6 3760988.3   676.2     3.49     4.00     3.25
 YES                    NO
 L0003877         0   0.18740E-06  493066.0 3760990.4   676.9     3.49     4.00     3.25
 YES                    NO
 L0003878         0   0.18740E-06  493074.3 3760992.4   676.7     3.49     4.00     3.25
 YES                    NO
 L0003879         0   0.18740E-06  493082.7 3760994.4   676.4     3.49     4.00     3.25
 YES                    NO
 L0003880         0   0.18740E-06  493091.0 3760996.5   675.9     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. SCALAR VARY BY CATS.	EMISSION RATE EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0003881	0	0.18740E-06	493099.4	3760998.5	674.8	3.49	4.00	3.25
YES		NO						
L0003882	0	0.18740E-06	493107.7	3761000.5	673.6	3.49	4.00	3.25
YES		NO						
L0003883	0	0.18740E-06	493116.0	3761002.7	672.4	3.49	4.00	3.25
YES		NO						
L0003884	0	0.18740E-06	493123.9	3761006.2	672.2	3.49	4.00	3.25
YES		NO						
L0003885	0	0.18740E-06	493131.7	3761009.7	672.6	3.49	4.00	3.25
YES		NO						
L0003886	0	0.18740E-06	493139.5	3761013.3	672.9	3.49	4.00	3.25
YES		NO						
L0003887	0	0.18740E-06	493147.3	3761016.8	672.9	3.49	4.00	3.25
YES		NO						
L0003888	0	0.18740E-06	493155.2	3761020.3	673.3	3.49	4.00	3.25
YES		NO						
L0003889	0	0.18740E-06	493163.0	3761023.8	674.1	3.49	4.00	3.25
YES		NO						
L0003890	0	0.18740E-06	493170.8	3761027.4	675.0	3.49	4.00	3.25
YES		NO						
L0003891	0	0.18740E-06	493178.7	3761030.9	676.0	3.49	4.00	3.25
YES		NO						
L0003892	0	0.18740E-06	493186.5	3761034.4	677.2	3.49	4.00	3.25
YES		NO						
L0003893	0	0.18740E-06	493194.3	3761038.0	678.3	3.49	4.00	3.25
YES		NO						
L0003894	0	0.18740E-06	493202.2	3761041.5	679.3	3.49	4.00	3.25
YES		NO						
L0003895	0	0.18740E-06	493210.0	3761045.1	680.1	3.49	4.00	3.25
YES		NO						
L0003896	0	0.18740E-06	493217.7	3761048.9	681.0	3.49	4.00	3.25
YES		NO						
L0003897	0	0.18740E-06	493225.4	3761052.7	681.8	3.49	4.00	3.25
YES		NO						
L0003898	0	0.18740E-06	493233.1	3761056.4	682.8	3.49	4.00	3.25
YES		NO						
L0003899	0	0.18740E-06	493240.8	3761060.2	683.0	3.49	4.00	3.25
YES		NO						
L0003900	0	0.18740E-06	493248.5	3761064.0	680.9	3.49	4.00	3.25
YES		NO						
L0003901	0	0.18740E-06	493256.2	3761067.8	679.1	3.49	4.00	3.25
YES		NO						
L0003902	0	0.18740E-06	493264.0	3761071.5	677.6	3.49	4.00	3.25
YES		NO						
L0003903	0	0.18740E-06	493271.7	3761075.3	676.6	3.49	4.00	3.25
YES		NO						
L0003904	0	0.18740E-06	493279.4	3761079.1	676.3	3.49	4.00	3.25
YES		NO						
L0003905	0	0.18740E-06	493287.1	3761082.9	675.7	3.49	4.00	3.25
YES		NO						

L0003906 0 0.18740E-06 493294.8 3761086.6 675.0 3.49 4.00 3.25
YES NO
L0003907 0 0.18740E-06 493302.5 3761090.4 674.1 3.49 4.00 3.25
YES NO
L0003908 0 0.18740E-06 493310.3 3761094.2 673.4 3.49 4.00 3.25
YES NO
L0003909 0 0.18740E-06 493318.0 3761098.0 672.6 3.49 4.00 3.25
YES NO
L0003910 0 0.18740E-06 493325.7 3761101.8 671.7 3.49 4.00 3.25
YES NO
L0003911 0 0.18740E-06 493333.4 3761105.5 670.8 3.49 4.00 3.25
YES NO
L0003912 0 0.18740E-06 493341.1 3761109.3 669.8 3.49 4.00 3.25
YES NO
L0003913 0 0.18740E-06 493348.8 3761113.1 668.8 3.49 4.00 3.25
YES NO
L0003914 0 0.18740E-06 493356.1 3761117.6 667.8 3.49 4.00 3.25
YES NO
L0003915 0 0.18740E-06 493363.3 3761122.3 667.4 3.49 4.00 3.25
YES NO
L0003916 0 0.18740E-06 493370.5 3761127.0 667.7 3.49 4.00 3.25
YES NO
L0003917 0 0.18740E-06 493377.7 3761131.8 667.7 3.49 4.00 3.25
YES NO
L0003918 0 0.18740E-06 493384.8 3761136.5 667.5 3.49 4.00 3.25
YES NO
L0003919 0 0.18740E-06 493392.0 3761141.2 667.5 3.49 4.00 3.25
YES NO
L0003920 0 0.18740E-06 493399.8 3761144.9 668.9 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0003921	0	0.18740E-06	493407.5	3761148.6	670.3	3.49	4.00	3.25
YES		NO						
L0003922	0	0.18740E-06	493415.2	3761152.3	671.5	3.49	4.00	3.25
YES		NO						
L0003923	0	0.18740E-06	493423.0	3761156.1	672.9	3.49	4.00	3.25
YES		NO						
L0003924	0	0.18740E-06	493430.7	3761159.8	675.1	3.49	4.00	3.25
YES		NO						
L0003925	0	0.18740E-06	493438.5	3761163.5	677.3	3.49	4.00	3.25
YES		NO						
L0003926	0	0.18740E-06	493445.5	3761168.2	679.2	3.49	4.00	3.25
YES		NO						
L0003927	0	0.18740E-06	493452.0	3761173.9	680.4	3.49	4.00	3.25
YES		NO						
L0003928	0	0.18740E-06	493458.4	3761179.6	680.8	3.49	4.00	3.25
YES		NO						

L0003929	0	0.18740E-06	493464.8	3761185.3	681.4	3.49	4.00	3.25
YES		NO						
L0003930	0	0.18740E-06	493471.3	3761191.0	682.1	3.49	4.00	3.25
YES		NO						
L0003931	0	0.18740E-06	493477.7	3761196.7	682.7	3.49	4.00	3.25
YES		NO						
L0003932	0	0.18740E-06	493484.2	3761202.4	682.7	3.49	4.00	3.25
YES		NO						
L0003933	0	0.18740E-06	493490.4	3761208.2	682.4	3.49	4.00	3.25
YES		NO						
L0003934	0	0.18740E-06	493496.7	3761214.2	682.2	3.49	4.00	3.25
YES		NO						
L0003935	0	0.18740E-06	493502.9	3761220.1	682.2	3.49	4.00	3.25
YES		NO						
L0003936	0	0.18740E-06	493509.1	3761226.0	682.3	3.49	4.00	3.25
YES		NO						
L0003937	0	0.18740E-06	493515.4	3761231.9	681.8	3.49	4.00	3.25
YES		NO						
L0003938	0	0.18740E-06	493521.6	3761237.8	681.2	3.49	4.00	3.25
YES		NO						
L0003939	0	0.18740E-06	493527.8	3761243.7	680.5	3.49	4.00	3.25
YES		NO						
L0003940	0	0.18740E-06	493534.1	3761249.6	680.1	3.49	4.00	3.25
YES		NO						
L0003941	0	0.18740E-06	493540.3	3761255.5	679.9	3.49	4.00	3.25
YES		NO						
L0003942	0	0.18740E-06	493546.8	3761261.1	680.0	3.49	4.00	3.25
YES		NO						
L0003943	0	0.18740E-06	493553.7	3761266.2	680.1	3.49	4.00	3.25
YES		NO						
L0003944	0	0.18740E-06	493560.6	3761271.4	679.8	3.49	4.00	3.25
YES		NO						
L0003945	0	0.18740E-06	493567.4	3761276.6	679.5	3.49	4.00	3.25
YES		NO						
L0003946	0	0.18740E-06	493574.3	3761281.7	679.2	3.49	4.00	3.25
YES		NO						
L0003947	0	0.18740E-06	493581.2	3761286.9	678.8	3.49	4.00	3.25
YES		NO						
L0003948	0	0.18740E-06	493588.0	3761292.0	678.6	3.49	4.00	3.25
YES		NO						
L0003949	0	0.18740E-06	493594.9	3761297.2	678.4	3.49	4.00	3.25
YES		NO						
L0003950	0	0.18740E-06	493601.8	3761302.3	678.7	3.49	4.00	3.25
YES		NO						
L0003951	0	0.18740E-06	493608.7	3761307.4	679.5	3.49	4.00	3.25
YES		NO						
L0003952	0	0.18740E-06	493616.2	3761311.7	680.1	3.49	4.00	3.25
YES		NO						
L0003953	0	0.18740E-06	493623.6	3761316.0	680.5	3.49	4.00	3.25
YES		NO						
L0003954	0	0.18740E-06	493631.0	3761320.3	680.8	3.49	4.00	3.25
YES		NO						
L0003955	0	0.18740E-06	493638.5	3761324.6	681.2	3.49	4.00	3.25
YES		NO						
L0003956	0	0.18740E-06	493645.9	3761328.9	681.9	3.49	4.00	3.25
YES		NO						
L0003957	0	0.18740E-06	493653.3	3761333.2	682.9	3.49	4.00	3.25
YES		NO						
L0003958	0	0.18740E-06	493660.8	3761337.5	683.8	3.49	4.00	3.25
YES		NO						
L0003959	0	0.18740E-06	493668.2	3761341.8	683.7	3.49	4.00	3.25
YES		NO						
L0003960	0	0.18740E-06	493675.6	3761346.2	683.3	3.49	4.00	3.25
YES		NO						

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. CATS.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SOURCE SCALAR VARY BY
L0003961	0	0.18740E-06	493682.8	3761350.8	682.8	3.49	4.00	3.25	YES NO
L0003962	0	0.30980E-06	493591.4	3761671.3	704.9	3.49	6.51	3.25	YES NO
L0003963	0	0.30980E-06	493592.3	3761657.3	702.8	3.49	6.51	3.25	YES NO
L0003964	0	0.30980E-06	493593.3	3761643.3	700.6	3.49	6.51	3.25	YES NO
L0003965	0	0.30980E-06	493595.2	3761629.5	697.9	3.49	6.51	3.25	YES NO
L0003966	0	0.30980E-06	493597.8	3761615.8	694.5	3.49	6.51	3.25	YES NO
L0003967	0	0.30980E-06	493600.4	3761602.0	691.8	3.49	6.51	3.25	YES NO
L0003968	0	0.30980E-06	493603.0	3761588.2	688.8	3.49	6.51	3.25	YES NO
L0003969	0	0.30980E-06	493606.2	3761574.6	685.6	3.49	6.51	3.25	YES NO
L0003970	0	0.30980E-06	493610.6	3761561.3	684.5	3.49	6.51	3.25	YES NO
L0003971	0	0.30980E-06	493614.9	3761548.0	685.6	3.49	6.51	3.25	YES NO
L0003972	0	0.30980E-06	493619.3	3761534.7	686.8	3.49	6.51	3.25	YES NO
L0003973	0	0.30980E-06	493623.6	3761521.4	689.6	3.49	6.51	3.25	YES NO
L0003974	0	0.30980E-06	493628.0	3761508.1	693.0	3.49	6.51	3.25	YES NO
L0003975	0	0.30980E-06	493632.4	3761494.8	694.9	3.49	6.51	3.25	YES NO
L0003976	0	0.30980E-06	493637.0	3761481.6	696.1	3.49	6.51	3.25	YES NO
L0003977	0	0.30980E-06	493641.5	3761468.4	695.6	3.49	6.51	3.25	YES NO
L0003978	0	0.30980E-06	493646.1	3761455.1	694.9	3.49	6.51	3.25	YES NO
L0003979	0	0.30980E-06	493650.6	3761441.9	695.8	3.49	6.51	3.25	YES NO
L0003980	0	0.30980E-06	493655.2	3761428.6	697.9	3.49	6.51	3.25	YES NO
L0003981	0	0.30980E-06	493659.7	3761415.4	698.8	3.49	6.51	3.25	YES NO
L0003982	0	0.30980E-06	493664.3	3761402.2	696.2	3.49	6.51	3.25	YES NO
L0003983	0	0.30980E-06	493670.9	3761389.8	692.5	3.49	6.51	3.25	YES NO
L0003984	0	0.30980E-06	493677.5	3761377.5	688.2	3.49	6.51	3.25	YES NO

L0003985 0 0.30980E-06 493684.2 3761365.2 684.5 3.49 6.51 3.25
YES NO
L0003986 0 0.64510E-06 493695.5 3761351.0 681.3 3.49 6.51 3.25
YES NO
L0003987 0 0.64510E-06 493704.1 3761340.0 680.2 3.49 6.51 3.25
YES NO
L0003988 0 0.64510E-06 493712.7 3761328.9 679.4 3.49 6.51 3.25
YES NO
L0003989 0 0.64510E-06 493721.3 3761317.9 679.8 3.49 6.51 3.25
YES NO
L0003990 0 0.64510E-06 493729.8 3761306.8 681.1 3.49 6.51 3.25
YES NO
L0003991 0 0.64510E-06 493738.8 3761296.1 682.6 3.49 6.51 3.25
YES NO
L0003992 0 0.64510E-06 493748.4 3761285.9 682.9 3.49 6.51 3.25
YES NO
L0003993 0 0.94050E-06 493762.0 3761271.8 685.1 3.49 6.51 3.25
YES NO
L0003994 0 0.94050E-06 493773.2 3761263.4 685.6 3.49 6.51 3.25
YES NO
L0003995 0 0.94050E-06 493784.4 3761255.0 684.6 3.49 6.51 3.25
YES NO
L0003996 0 0.94050E-06 493796.0 3761247.1 683.3 3.49 6.51 3.25
YES NO
L0003997 0 0.94050E-06 493807.5 3761239.1 682.9 3.49 6.51 3.25
YES NO
L0003998 0 0.94050E-06 493819.0 3761231.1 684.4 3.49 6.51 3.25
YES NO
L0003999 0 0.94050E-06 493830.5 3761223.1 686.1 3.49 6.51 3.25
YES NO
L0004000 0 0.94050E-06 493842.0 3761215.2 687.5 3.49 6.51 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0004001	0	0.94050E-06		493853.9	3761208.0	688.9	3.49	6.51	3.25	
YES		NO								
L0004002	0	0.94050E-06		493866.8	3761202.5	691.0	3.49	6.51	3.25	
YES		NO								
L0004003	0	0.94050E-06		493879.7	3761197.0	692.7	3.49	6.51	3.25	
YES		NO								
L0004004	0	0.94050E-06		493892.6	3761191.5	693.7	3.49	6.51	3.25	
YES		NO								
L0004005	0	0.94050E-06		493905.5	3761186.2	694.3	3.49	6.51	3.25	
YES		NO								
L0004006	0	0.94050E-06		493919.0	3761182.6	694.6	3.49	6.51	3.25	
YES		NO								
L0004007	0	0.94050E-06		493932.5	3761178.9	694.8	3.49	6.51	3.25	
YES		NO								

L0004008	0	0.94050E-06	493946.1	3761175.3	694.6	3.49	6.51	3.25
YES		NO						
L0004009	0	0.94050E-06	493959.6	3761171.6	694.3	3.49	6.51	3.25
YES		NO						
L0004010	0	0.94050E-06	493973.1	3761167.9	694.5	3.49	6.51	3.25
YES		NO						
L0004011	0	0.94050E-06	493986.9	3761165.7	694.7	3.49	6.51	3.25
YES		NO						
L0004012	0	0.94050E-06	494000.8	3761164.5	695.7	3.49	6.51	3.25
YES		NO						
L0004013	0	0.94050E-06	494014.8	3761163.4	697.1	3.49	6.51	3.25
YES		NO						
L0004014	0	0.94050E-06	494028.7	3761162.2	699.4	3.49	6.51	3.25
YES		NO						
L0004015	0	0.94050E-06	494042.7	3761161.0	702.5	3.49	6.51	3.25
YES		NO						
L0004016	0	0.94050E-06	494056.6	3761161.2	704.8	3.49	6.51	3.25
YES		NO						
L0004017	0	0.94050E-06	494070.5	3761162.7	706.4	3.49	6.51	3.25
YES		NO						
L0004018	0	0.94050E-06	494084.4	3761164.2	708.0	3.49	6.51	3.25
YES		NO						
L0004019	0	0.94050E-06	494098.3	3761165.8	708.8	3.49	6.51	3.25
YES		NO						
L0004020	0	0.94050E-06	494112.3	3761167.3	709.9	3.49	6.51	3.25
YES		NO						
L0004021	0	0.94050E-06	494126.1	3761169.2	710.6	3.49	6.51	3.25
YES		NO						
L0004022	0	0.94050E-06	494139.6	3761172.8	711.5	3.49	6.51	3.25
YES		NO						
L0004023	0	0.94050E-06	494153.2	3761176.4	709.5	3.49	6.51	3.25
YES		NO						
L0004024	0	0.94050E-06	494166.7	3761180.0	707.1	3.49	6.51	3.25
YES		NO						
L0004025	0	0.94050E-06	494180.2	3761183.6	706.4	3.49	6.51	3.25
YES		NO						
L0004026	0	0.94050E-06	494193.5	3761188.0	706.9	3.49	6.51	3.25
YES		NO						
L0004027	0	0.94050E-06	494206.7	3761192.8	707.0	3.49	6.51	3.25
YES		NO						
L0004028	0	0.94050E-06	494219.8	3761197.5	706.4	3.49	6.51	3.25
YES		NO						
L0004029	0	0.94050E-06	494233.0	3761202.2	705.6	3.49	6.51	3.25
YES		NO						
L0004081	0	0.46740E-07	494335.1	3761025.5	703.4	3.49	4.00	3.25
YES		NO						
L0004082	0	0.46740E-07	494330.1	3761032.5	703.6	3.49	4.00	3.25
YES		NO						
L0004083	0	0.46740E-07	494325.0	3761039.4	704.0	3.49	4.00	3.25
YES		NO						
L0004084	0	0.46740E-07	494319.9	3761046.3	704.6	3.49	4.00	3.25
YES		NO						
L0004085	0	0.46740E-07	494314.8	3761053.3	705.0	3.49	4.00	3.25
YES		NO						
L0004086	0	0.46740E-07	494309.8	3761060.2	705.9	3.49	4.00	3.25
YES		NO						
L0004087	0	0.46740E-07	494304.7	3761067.1	706.6	3.49	4.00	3.25
YES		NO						
L0004088	0	0.46740E-07	494299.8	3761074.2	706.6	3.49	4.00	3.25
YES		NO						
L0004089	0	0.46740E-07	494295.6	3761081.7	706.4	3.49	4.00	3.25
YES		NO						
L0004090	0	0.46740E-07	494291.4	3761089.2	705.3	3.49	4.00	3.25
YES		NO						
L0004091	0	0.46740E-07	494287.3	3761096.7	703.8	3.49	4.00	3.25
YES		NO						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. SCALAR VARY CATS. BY	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)
L0004092	0	0.46740E-07	494283.1	3761104.2	702.5	3.49	4.00	3.25
YES		NO						
L0004093	0	0.46740E-07	494278.7	3761111.6	701.1	3.49	4.00	3.25
YES		NO						
L0004094	0	0.46740E-07	494274.2	3761118.9	699.7	3.49	4.00	3.25
YES		NO						
L0004095	0	0.46740E-07	494269.7	3761126.2	698.4	3.49	4.00	3.25
YES		NO						
L0004096	0	0.46740E-07	494265.5	3761133.7	697.0	3.49	4.00	3.25
YES		NO						
L0004097	0	0.46740E-07	494262.0	3761141.5	695.7	3.49	4.00	3.25
YES		NO						
L0004098	0	0.46740E-07	494258.5	3761149.4	695.1	3.49	4.00	3.25
YES		NO						
L0004099	0	0.46740E-07	494255.1	3761157.2	695.6	3.49	4.00	3.25
YES		NO						
L0004100	0	0.46740E-07	494251.8	3761165.2	696.4	3.49	4.00	3.25
YES		NO						
L0004101	0	0.46740E-07	494248.5	3761173.1	697.3	3.49	4.00	3.25
YES		NO						
L0004102	0	0.46740E-07	494245.2	3761181.0	699.0	3.49	4.00	3.25
YES		NO						
L0004103	0	0.46740E-07	494241.8	3761189.0	701.1	3.49	4.00	3.25
YES		NO						
L0004044	0	0.10710E-05	494248.1	3761210.9	703.5	3.49	6.51	3.25
YES		NO						
L0004045	0	0.10710E-05	494261.1	3761216.1	701.4	3.49	6.51	3.25
YES		NO						
L0004046	0	0.10710E-05	494274.1	3761221.3	702.4	3.49	6.51	3.25
YES		NO						
L0004047	0	0.10710E-05	494287.1	3761226.5	702.8	3.49	6.51	3.25
YES		NO						
L0004048	0	0.10710E-05	494300.1	3761231.7	704.1	3.49	6.51	3.25
YES		NO						
L0004049	0	0.10710E-05	494313.1	3761236.9	705.8	3.49	6.51	3.25
YES		NO						
L0004050	0	0.10710E-05	494326.1	3761242.1	708.4	3.49	6.51	3.25
YES		NO						
L0004051	0	0.10710E-05	494339.0	3761247.4	711.5	3.49	6.51	3.25
YES		NO						
L0004052	0	0.10710E-05	494351.5	3761253.9	713.9	3.49	6.51	3.25
YES		NO						
L0004053	0	0.10710E-05	494363.9	3761260.3	716.2	3.49	6.51	3.25
YES		NO						
L0004054	0	0.10710E-05	494376.3	3761266.7	718.9	3.49	6.51	3.25
YES		NO						

```
 L0004055         0   0.10710E-05  494388.8 3761273.1   719.1     3.49     6.51     3.25
 YES                    NO
 L0004056         0   0.10710E-05  494401.1 3761279.8   718.8     3.49     6.51     3.25
 YES                    NO
 L0004057         0   0.10710E-05  494412.9 3761287.3   719.1     3.49     6.51     3.25
 YES                    NO
 L0004058         0   0.10710E-05  494424.7 3761294.9   719.5     3.49     6.51     3.25
 YES                    NO
 L0004059         0   0.10710E-05  494436.5 3761302.4   720.1     3.49     6.51     3.25
 YES                    NO
 L0004060         0   0.10710E-05  494448.5 3761308.8   720.5     3.49     6.51     3.25
 YES                    NO
 L0004061         0   0.10710E-05  494462.5 3761307.9   720.7     3.49     6.51     3.25
 YES                    NO
 L0004062         0   0.10710E-05  494476.5 3761307.1   720.9     3.49     6.51     3.25
 YES                    NO
 L0004063         0   0.10710E-05  494490.2 3761307.8   721.2     3.49     6.51     3.25
 YES                    NO
 L0004064         0   0.10710E-05  494503.3 3761312.8   721.6     3.49     6.51     3.25
 YES                    NO
 L0004065         0   0.10710E-05  494516.4 3761317.8   722.3     3.49     6.51     3.25
 YES                    NO
 L0004066         0   0.10710E-05  494529.4 3761322.8   722.9     3.49     6.51     3.25
 YES                    NO
 L0004067         0   0.10710E-05  494542.5 3761327.9   723.9     3.49     6.51     3.25
 YES                    NO
 L0004068         0   0.10710E-05  494555.4 3761333.4   725.1     3.49     6.51     3.25
 YES                    NO
 L0004069         0   0.10710E-05  494568.3 3761338.8   726.4     3.49     6.51     3.25
 YES                    NO
 L0004070         0   0.10710E-05  494581.2 3761344.2   727.6     3.49     6.51     3.25
 YES                    NO
 L0004071         0   0.10710E-05  494594.1 3761349.6   728.8     3.49     6.51     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:35:31

                     PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 L0004072         0   0.10710E-05  494607.0 3761355.0   730.0     3.49     6.51     3.25
 YES                    NO
 L0004073         0   0.10710E-05  494620.0 3761360.3   730.8     3.49     6.51     3.25
 YES                    NO
 L0004074         0   0.10710E-05  494633.2 3761365.0   731.3     3.49     6.51     3.25
 YES                    NO
 L0004075         0   0.10710E-05  494646.3 3761369.8   731.8     3.49     6.51     3.25
 YES                    NO
 L0004076         0   0.10710E-05  494659.5 3761374.6   732.1     3.49     6.51     3.25
 YES                    NO
 L0004077         0   0.10710E-05  494672.6 3761379.4   732.4     3.49     6.51     3.25
 YES                    NO
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0002041 , L0002042 , L0002043 , L0002044 , L0002045 , L0002046 , L0002047 , L0002048 ,
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	L0002057 , L0002058 , L0002059 , L0002060 , L0002061 , L0002062 , L0002063 , L0002064 ,
	L0002065 , L0002066 , L0002067 , L0002068 , L0002069 , L0002070 , L0002071 , L0002072 ,
	L0002073 , L0002074 , L0002075 , L0002076 , L0002077 , L0002078 , L0002079 , L0002080 ,
	L0002081 , L0002082 , L0002083 , L0002084 , L0002085 , L0002086 , L0002087 , L0002088 ,
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	L0002097 , L0002098 , L0002099 , L0002100 , L0002101 , L0002102 , L0002103 , L0002104 ,
	L0002105 , L0002106 , L0002107 , L0002108 , L0002109 , L0002110 , L0002111 , L0002112 ,
	L0002113 , L0002114 , L0002115 , L0002116 , L0002117 , L0002118 , L0002119 , L0002120 ,
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	L0002145 , L0002146 , L0002147 , L0002148 , L0002149 , L0002150 , L0002151 , L0002152 ,
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0003193 , L0003194 , L0003195 , L0003196 , L0003197 , L0003198 , L0003199 , L0003200 ,
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0003505 , L0003506 , L0003507 , L0003508 , L0003509 , L0003510 , L0003511 , L0003512 ,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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STCK6 , STCK7 ,

STCK8 , STCK9 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID URBAN POP SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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

URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

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                    PAGE  79
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
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		L0003833 , L0003834 , L0003835 , L0003836 , L0003837 , L0003838 , L0003839 , L0003840 ,
		L0003841 , L0003842 , L0003843 , L0003844 , L0003845 , L0003846 , L0003847 , L0003848 ,
		L0003849 , L0003850 , L0003851 , L0003852 , L0003853 , L0003854 , L0003855 , L0003856 ,
		L0003857 , L0003858 , L0003859 , L0003860 , L0003861 , L0003862 , L0003863 , L0003864 ,
		L0003865 , L0003866 , L0003867 , L0003868 , L0003869 , L0003870 , L0003871 , L0003872 ,
		L0003873 , L0003874 , L0003875 , L0003876 , L0003877 , L0003878 , L0003879 , L0003880 ,
		L0003881 , L0003882 , L0003883 , L0003884 , L0003885 , L0003886 , L0003887 , L0003888 ,
		L0003889 , L0003890 , L0003891 , L0003892 , L0003893 , L0003894 , L0003895 , L0003896 ,
		L0003897 , L0003898 , L0003899 , L0003900 , L0003901 , L0003902 , L0003903 , L0003904 ,
		L0003905 , L0003906 , L0003907 , L0003908 , L0003909 , L0003910 , L0003911 , L0003912 ,
		L0003913 , L0003914 , L0003915 , L0003916 , L0003917 , L0003918 , L0003919 , L0003920 ,
		L0003921 , L0003922 , L0003923 , L0003924 , L0003925 , L0003926 , L0003927 , L0003928 ,
		L0003929 , L0003930 , L0003931 , L0003932 , L0003933 , L0003934 , L0003935 , L0003936 ,
		L0003937 , L0003938 , L0003939 , L0003940 , L0003941 , L0003942 , L0003943 , L0003944 ,
		L0003945 , L0003946 , L0003947 , L0003948 , L0003949 , L0003950 , L0003951 , L0003952 ,

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

URBAN ID	URBAN POP	SOURCE IDs

L0003961 , L0003962 , L0003963 , L0003964 , L0003965 , L0003966 ,
L0003967 , L0003968 ,

L0003969 , L0003970 , L0003971 , L0003972 , L0003973 , L0003974 ,
L0003975 , L0003976 ,

L0003977 , L0003978 , L0003979 , L0003980 , L0003981 , L0003982 ,
L0003983 , L0003984 ,

L0003985 , L0003986 , L0003987 , L0003988 , L0003989 , L0003990 ,
L0003991 , L0003992 ,

L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 ,
L0003999 , L0004000 ,

L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 ,
L0004007 , L0004008 ,

L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 ,
L0004015 , L0004016 ,

L0004017 , L0004018 , L0004019 , L0004020 , L0004021 , L0004022 ,
L0004023 , L0004024 ,

L0004025 , L0004026 , L0004027 , L0004028 , L0004029 , L0004081 ,
L0004082 , L0004083 ,

L0004084 , L0004085 , L0004086 , L0004087 , L0004088 , L0004089 ,
L0004090 , L0004091 ,

L0004092 , L0004093 , L0004094 , L0004095 , L0004096 , L0004097 ,
L0004098 , L0004099 ,

L0004100 , L0004101 , L0004102 , L0004103 , L0004044 , L0004045 ,
L0004046 , L0004047 ,

L0004048 , L0004049 , L0004050 , L0004051 , L0004052 , L0004053 ,
L0004054 , L0004055 ,

L0004056 , L0004057 , L0004058 , L0004059 , L0004060 , L0004061 ,
L0004062 , L0004063 ,

L0004064 , L0004065 , L0004066 , L0004067 , L0004068 , L0004069 ,
L0004070 , L0004071 ,

L0004072 , L0004073 , L0004074 , L0004075 , L0004076 , L0004077 ,
L0004078 , L0004079 ,

L0004080 , STCK1 , STCK2 , STCK3 , STCK4 , STCK5 ,

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	541.9,	143.8,	-129.8,	-266.8,	2	15.2,	555.2,	235.1,	-128.0,	-272.8,
3	15.2,	551.6,	319.2,	-122.3,	-270.6,	4	15.2,	531.2,	393.7,	-112.9,	-260.1,
5	15.2,	494.7,	456.2,	-100.1,	-241.7,	6	15.2,	443.1,	504.8,	-84.2,	-216.0,
7	15.2,	378.1,	538.0,	-65.8,	-183.7,	8	15.2,	301.6,	555.0,	-45.4,	-145.8,
9	15.2,	216.0,	555.0,	-23.6,	-103.5,	10	15.2,	143.8,	541.9,	-4.2,	-57.9,
11	15.2,	235.1,	555.2,	-4.8,	-10.4,	12	15.2,	319.2,	551.6,	-5.2,	37.3,
13	15.2,	393.7,	531.2,	-5.5,	83.9,	14	15.2,	456.2,	494.7,	-5.6,	128.0,
15	15.2,	504.8,	443.1,	-5.6,	168.2,	16	15.2,	538.0,	378.1,	-5.3,	203.2,
17	15.2,	555.0,	301.6,	-5.0,	232.1,	18	15.2,	555.0,	216.0,	-4.4,	254.0,
19	15.2,	541.9,	143.8,	-14.1,	266.8,	20	15.2,	555.2,	235.1,	-107.1,	272.8,
21	15.2,	551.6,	319.2,	-196.9,	270.6,	22	15.2,	531.2,	393.7,	-280.8,	260.1,
23	15.2,	494.7,	456.2,	-356.1,	241.7,	24	15.2,	443.1,	504.8,	-420.6,	216.0,
25	15.2,	378.1,	538.0,	-472.2,	183.7,	26	15.2,	301.6,	555.0,	-509.6,	145.8,
27	15.2,	216.0,	555.0,	-531.5,	103.5,	28	15.2,	143.8,	541.9,	-537.7,	57.9,
29	15.2,	235.1,	555.2,	-550.4,	10.4,	30	15.2,	319.2,	551.6,	-546.3,	-37.3,
31	15.2,	393.7,	531.2,	-525.7,	-83.9,	32	15.2,	456.2,	494.7,	-489.0,	-128.0,
33	15.2,	504.8,	443.1,	-437.6,	-168.2,	34	15.2,	538.0,	378.1,	-372.8,	-203.2,
35	15.2,	555.0,	301.6,	-296.7,	-232.1,	36	15.2,	555.0,	216.0,	-211.5,	-254.0,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	269.9,	392.2,	-385.9,	63.6,	2	15.2,	321.2,	410.8,	-403.3,	29.6,
3	15.2,	362.6,	416.9,	-408.4,	-5.2,	4	15.2,	393.1,	410.4,	-401.1,	-39.9,
5	15.2,	411.6,	391.3,	-381.6,	-73.4,	6	15.2,	417.6,	360.4,	-350.5,	-104.6,
7	15.2,	410.9,	318.6,	-308.8,	-132.7,	8	15.2,	391.7,	267.0,	-257.7,	-156.7,
9	15.2,	361.7,	210.5,	-200.8,	-176.0,	10	15.2,	392.2,	269.9,	-198.5,	-189.8,
11	15.2,	410.8,	321.2,	-190.2,	-197.9,	12	15.2,	416.9,	362.6,	-176.1,	-200.0,
13	15.2,	410.4,	393.1,	-156.6,	-195.9,	14	15.2,	391.3,	411.6,	-132.4,	-185.9,
15	15.2,	360.4,	417.6,	-104.2,	-170.3,	16	15.2,	318.6,	410.9,	-72.8,	-149.5,
17	15.2,	267.0,	391.7,	-39.1,	-124.2,	18	15.2,	210.5,	361.7,	-4.8,	-95.6,
19	15.2,	269.9,	392.2,	-6.3,	-63.6,	20	15.2,	321.2,	410.8,	-7.5,	-29.6,
21	15.2,	362.6,	416.9,	-8.5,	5.2,	22	15.2,	393.1,	410.4,	-9.3,	39.9,
23	15.2,	411.6,	391.3,	-9.7,	73.4,	24	15.2,	417.6,	360.4,	-9.9,	104.6,
25	15.2,	410.9,	318.6,	-9.8,	132.7,	26	15.2,	391.7,	267.0,	-9.3,	156.7,
27	15.2,	361.7,	210.5,	-9.7,	176.0,	28	15.2,	392.2,	269.9,	-71.4,	189.8,
29	15.2,	410.8,	321.2,	-131.0,	197.9,	30	15.2,	416.9,	362.6,	-186.6,	200.0,
31	15.2,	410.4,	393.1,	-236.5,	195.9,	32	15.2,	391.3,	411.6,	-279.2,	185.9,
33	15.2,	360.4,	417.6,	-313.4,	170.3,	34	15.2,	318.6,	410.9,	-338.2,	149.5,
35	15.2,	267.0,	391.7,	-352.6,	124.2,	36	15.2,	210.5,	361.7,	-356.9,	95.6,

SOURCE ID: STCK3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	271.4,	376.7,	-371.3,	74.4,	2	15.2,	314.6,	397.4,	-391.5,	43.8,
3	15.2,	348.2,	406.1,	-399.8,	11.8,	4	15.2,	371.3,	402.4,	-395.9,	-20.5,
5	15.2,	383.1,	386.5,	-380.1,	-52.2,	6	15.2,	383.2,	358.9,	-352.6,	-82.3,
7	15.2,	381.4,	320.3,	-314.5,	-114.8,	8	15.2,	368.3,	272.1,	-266.8,	-144.0,
9	15.2,	345.4,	220.9,	-213.7,	-168.1,	10	15.2,	376.7,	271.4,	-210.1,	-183.0,
11	15.2,	397.4,	314.6,	-201.1,	-192.8,	12	15.2,	406.1,	348.2,	-185.9,	-196.8,

13	15.2,	402.4,	371.3,	-165.1,	-194.8,	14	15.2,	386.5,	383.1,	-139.3,	-186.8,
15	15.2,	358.9,	383.2,	-109.2,	-173.2,	16	15.2,	320.3,	381.4,	-75.9,	-154.3,
17	15.2,	272.1,	368.3,	-40.2,	-130.8,	18	15.2,	220.9,	345.4,	-4.6,	-103.2,
19	15.2,	271.4,	376.7,	-5.3,	-74.4,	20	15.2,	314.6,	397.4,	-5.9,	-43.8,
21	15.2,	348.2,	406.1,	-6.3,	-11.8,	22	15.2,	371.3,	402.4,	-6.5,	20.5,
23	15.2,	383.1,	386.5,	-6.4,	52.2,	24	15.2,	383.2,	358.9,	-6.2,	82.3,
25	15.2,	381.4,	320.3,	-5.8,	114.8,	26	15.2,	368.3,	272.1,	-5.3,	144.0,
27	15.2,	345.4,	220.9,	-7.2,	168.1,	28	15.2,	376.7,	271.4,	-61.3,	183.0,
29	15.2,	397.4,	314.6,	-113.5,	192.8,	30	15.2,	406.1,	348.2,	-162.3,	196.8,
31	15.2,	402.4,	371.3,	-206.2,	194.8,	32	15.2,	386.5,	383.1,	-243.8,	186.8,
33	15.2,	358.9,	383.2,	-273.9,	173.2,	34	15.2,	320.3,	381.4,	-305.6,	154.3,
35	15.2,	272.1,	368.3,	-328.1,	130.8,	36	15.2,	220.9,	345.4,	-340.7,	103.2,

SOURCE ID: STCK4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	259.8,	432.0,	-425.0,	53.8,	2	15.2,	319.1,	445.7,	-437.9,	16.8,
3	15.2,	368.7,	445.7,	-437.5,	-20.8,	4	15.2,	407.1,	432.3,	-423.8,	-57.8,
5	15.2,	433.1,	405.7,	-397.2,	-93.0,	6	15.2,	445.9,	366.8,	-358.5,	-125.4,
7	15.2,	445.2,	316.7,	-309.0,	-153.9,	8	15.2,	431.0,	257.0,	-250.1,	-177.8,
9	15.2,	405.3,	192.7,	-185.6,	-196.6,	10	15.2,	432.0,	259.8,	-183.8,	-209.0,
11	15.2,	445.7,	319.1,	-176.3,	-215.1,	12	15.2,	445.7,	368.7,	-163.5,	-214.6,
13	15.2,	432.3,	407.1,	-145.7,	-207.6,	14	15.2,	405.7,	433.1,	-123.5,	-194.4,
15	15.2,	366.8,	445.9,	-97.6,	-175.2,	16	15.2,	316.7,	445.2,	-68.7,	-150.6,
17	15.2,	257.0,	431.0,	-37.7,	-121.5,	18	15.2,	192.7,	405.3,	-6.0,	-89.3,
19	15.2,	259.8,	432.0,	-7.0,	-53.8,	20	15.2,	319.1,	445.7,	-7.7,	-16.8,
21	15.2,	368.7,	445.7,	-8.2,	20.8,	22	15.2,	407.1,	432.3,	-8.5,	57.8,
23	15.2,	433.1,	405.7,	-8.5,	93.0,	24	15.2,	445.9,	366.8,	-8.2,	125.4,
25	15.2,	445.2,	316.7,	-7.7,	153.9,	26	15.2,	431.0,	257.0,	-7.0,	177.8,
27	15.2,	405.3,	192.7,	-7.0,	196.6,	28	15.2,	432.0,	259.8,	-76.1,	209.0,
29	15.2,	445.7,	319.1,	-142.8,	215.1,	30	15.2,	445.7,	368.7,	-205.2,	214.6,
31	15.2,	432.3,	407.1,	-261.3,	207.6,	32	15.2,	405.7,	433.1,	-309.6,	194.4,
33	15.2,	366.8,	445.9,	-348.4,	175.2,	34	15.2,	316.7,	445.2,	-376.6,	150.6,
35	15.2,	257.0,	431.0,	-393.4,	121.5,	36	15.2,	192.7,	405.3,	-399.2,	89.3,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK5

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	493.6,	217.9,	-208.0,	208.9,	2	15.2,	491.4,	292.1,	-280.0,	187.2,
3	15.2,	474.2,	357.5,	-343.4,	159.8,	4	15.2,	442.6,	412.0,	-396.4,	127.6,
5	15.2,	397.6,	454.0,	-437.4,	91.5,	6	15.2,	340.6,	482.2,	-465.1,	52.6,
7	15.2,	273.4,	495.8,	-478.6,	12.3,	8	15.2,	198.0,	494.2,	-477.6,	-28.5,
9	15.2,	137.0,	480.9,	-464.7,	-61.2,	10	15.2,	217.9,	493.6,	-455.8,	-99.1,
11	15.2,	292.1,	491.4,	-432.9,	-133.9,	12	15.2,	357.5,	474.2,	-396.9,	-164.7,
13	15.2,	412.0,	442.6,	-348.9,	-190.4,	14	15.2,	454.0,	397.6,	-290.2,	-210.4,
15	15.2,	482.2,	340.6,	-222.9,	-224.0,	16	15.2,	495.8,	273.4,	-149.0,	-230.7,
17	15.2,	494.2,	198.0,	-70.5,	-230.5,	18	15.2,	480.9,	137.0,	-7.3,	-224.3,
19	15.2,	493.6,	217.9,	-9.9,	-208.9,	20	15.2,	491.4,	292.1,	-12.2,	-187.2,
21	15.2,	474.2,	357.5,	-14.1,	-159.8,	22	15.2,	442.6,	412.0,	-15.6,	-127.6,
23	15.2,	397.6,	454.0,	-16.6,	-91.5,	24	15.2,	340.6,	482.2,	-17.2,	-52.6,
25	15.2,	273.4,	495.8,	-17.2,	-12.3,	26	15.2,	198.0,	494.2,	-16.6,	28.5,
27	15.2,	137.0,	480.9,	-16.1,	61.2,	28	15.2,	217.9,	493.6,	-37.9,	99.1,
29	15.2,	292.1,	491.4,	-58.4,	133.9,	30	15.2,	357.5,	474.2,	-77.3,	164.7,
31	15.2,	412.0,	442.6,	-93.7,	190.4,	32	15.2,	454.0,	397.6,	-107.3,	210.4,
33	15.2,	482.2,	340.6,	-117.7,	224.0,	34	15.2,	495.8,	273.4,	-124.5,	230.7,
35	15.2,	494.2,	198.0,	-127.5,	230.5,	36	15.2,	480.9,	137.0,	-129.7,	224.3,

SOURCE ID: STCK6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	493.6,	217.9,	-18.1,	229.7,	2	15.2,	491.4,	292.1,	-96.5,	240.7,
3	15.2,	474.2,	357.5,	-172.0,	244.3,	4	15.2,	344.6,	351.6,	-340.5,	-7.0,
5	15.2,	350.6,	345.1,	-333.6,	-35.5,	6	15.2,	345.9,	328.2,	-316.5,	-62.9,
7	15.2,	330.7,	301.2,	-289.9,	-88.4,	8	15.2,	305.4,	265.2,	-254.4,	-111.3,
9	15.2,	273.5,	223.1,	-212.3,	-130.4,	10	15.2,	217.9,	493.6,	-476.5,	90.9,
11	15.2,	292.1,	491.4,	-486.4,	49.5,	12	15.2,	357.5,	474.2,	-481.4,	6.7,
13	15.2,	412.0,	442.6,	-461.8,	-36.3,	14	15.2,	454.0,	397.6,	-428.2,	-78.2,
15	15.2,	482.2,	340.6,	-381.7,	-117.8,	16	15.2,	495.8,	273.4,	-323.8,	-153.8,
17	15.2,	494.2,	198.0,	-256.1,	-185.1,	18	15.2,	480.9,	137.0,	-197.9,	-211.8,
19	15.2,	493.6,	217.9,	-199.8,	-229.7,	20	15.2,	491.4,	292.1,	-195.6,	-240.7,
21	15.2,	474.2,	357.5,	-185.5,	-244.3,	22	15.2,	344.6,	351.6,	-11.1,	7.0,
23	15.2,	350.6,	345.1,	-11.5,	35.5,	24	15.2,	345.9,	328.2,	-11.6,	62.9,
25	15.2,	330.7,	301.2,	-11.3,	88.4,	26	15.2,	305.4,	265.2,	-10.7,	111.3,
27	15.2,	273.5,	223.1,	-10.8,	130.4,	28	15.2,	217.9,	493.6,	-17.1,	-90.9,
29	15.2,	292.1,	491.4,	-5.0,	-49.5,	30	15.2,	357.5,	474.2,	7.2,	-6.7,
31	15.2,	412.0,	442.6,	19.2,	36.3,	32	15.2,	345.1,	350.6,	-210.8,	161.0,
33	15.2,	328.2,	345.9,	-235.9,	152.5,	34	15.2,	301.2,	330.7,	-253.8,	139.3,
35	15.2,	265.1,	305.4,	-264.0,	121.9,	36	15.2,	223.1,	273.5,	-267.2,	100.7,

SOURCE ID: STCK7

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	541.9,	143.8,	-127.9,	-253.1,	2	15.2,	555.2,	235.1,	-128.5,	-259.0,
3	15.2,	551.6,	319.2,	-125.2,	-257.0,	4	15.2,	531.2,	393.7,	-118.1,	-247.2,
5	15.2,	494.7,	456.2,	-107.5,	-230.0,	6	15.2,	443.1,	504.8,	-93.5,	-205.7,
7	15.2,	378.1,	538.0,	-76.7,	-175.2,	8	15.2,	301.6,	555.0,	-57.6,	-139.4,
9	15.2,	216.0,	555.0,	-36.7,	-99.3,	10	15.2,	143.8,	541.9,	-17.9,	-56.0,
11	15.2,	235.1,	555.2,	-18.6,	-11.0,	12	15.2,	319.2,	551.6,	-18.8,	34.4,
13	15.2,	393.7,	531.2,	-18.3,	78.7,	14	15.2,	456.2,	494.7,	-17.4,	120.6,
15	15.2,	504.8,	443.1,	-15.9,	158.9,	16	15.2,	538.0,	378.1,	-13.9,	192.3,
17	15.2,	555.0,	301.6,	-11.4,	219.9,	18	15.2,	555.0,	216.0,	-8.7,	240.8,
19	15.2,	541.9,	143.8,	-15.9,	253.1,	20	15.2,	555.2,	235.1,	-106.6,	259.0,
21	15.2,	551.6,	319.2,	-194.0,	257.0,	22	15.2,	531.2,	393.7,	-275.6,	247.2,
23	15.2,	494.7,	456.2,	-348.7,	230.0,	24	15.2,	443.1,	504.8,	-411.3,	205.7,
25	15.2,	378.1,	538.0,	-461.3,	175.2,	26	15.2,	301.6,	555.0,	-497.4,	139.4,
27	15.2,	216.0,	555.0,	-518.3,	99.3,	28	15.2,	143.8,	541.9,	-524.0,	56.0,
29	15.2,	235.1,	555.2,	-536.6,	11.0,	30	15.2,	319.2,	551.6,	-532.8,	-34.4,
31	15.2,	393.7,	531.2,	-512.8,	-78.7,	32	15.2,	456.2,	494.7,	-477.3,	-120.6,
33	15.2,	504.8,	443.1,	-427.3,	-158.9,	34	15.2,	538.0,	378.1,	-364.3,	-192.3,
35	15.2,	555.0,	301.6,	-290.2,	-219.9,	36	15.2,	555.0,	216.0,	-207.3,	-240.8,

SOURCE ID: STCK8

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	89.2,	136.8,	-132.9,	24.3,	2	15.2,	103.0,	143.4,	-139.1,	14.7,
3	15.2,	113.6,	145.5,	-141.0,	4.8,	4	15.2,	120.8,	143.3,	-138.6,	-5.3,
5	15.2,	124.3,	136.7,	-132.0,	-15.3,	6	15.2,	124.1,	126.0,	-121.4,	-24.8,
7	15.2,	125.6,	111.4,	-107.2,	-36.3,	8	15.2,	127.5,	93.5,	-89.6,	-48.8,
9	15.2,	126.1,	72.9,	-69.6,	-59.7,	10	15.2,	136.8,	89.2,	-68.8,	-64.5,
11	15.2,	124.6,	71.0,	-119.6,	68.4,	12	15.2,	120.7,	87.8,	-138.6,	52.8,
13	15.2,	113.0,	102.0,	-153.4,	35.5,	14	15.2,	102.0,	113.0,	-163.6,	17.2,
15	15.2,	87.8,	120.7,	-168.7,	-1.6,	16	15.2,	71.0,	124.6,	-168.8,	-20.4,
17	15.2,	93.5,	127.5,	-15.0,	-42.9,	18	15.2,	72.9,	126.1,	-3.4,	-33.1,
19	15.2,	89.2,	136.8,	-3.9,	-24.3,	20	15.2,	103.0,	143.4,	-4.3,	-14.7,
21	15.2,	113.6,	145.5,	-4.6,	-4.8,	22	15.2,	120.8,	143.3,	-4.7,	5.3,
23	15.2,	124.3,	136.7,	-4.7,	15.3,	24	15.2,	124.1,	126.0,	-4.5,	24.8,
25	15.2,	125.6,	111.4,	-4.2,	36.3,	26	15.2,	127.5,	93.5,	-3.8,	48.8,
27	15.2,	126.1,	72.9,	-3.3,	59.7,	28	15.2,	136.8,	89.2,	-20.3,	64.5,
29	15.2,	143.4,	103.0,	-36.7,	67.4,	30	15.2,	145.5,	113.6,	-52.0,	68.2,
31	15.2,	143.3,	120.8,	-65.8,	67.0,	32	15.2,	136.7,	124.3,	-77.5,	63.7,
33	15.2,	126.0,	124.1,	-86.8,	58.4,	34	15.2,	111.4,	125.6,	-99.1,	51.5,
35	15.2,	93.5,	127.5,	-112.5,	42.9,	36	15.2,	72.9,	126.1,	-122.7,	33.1,

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK9

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	139.9,	300.9,	-294.0,	13.0,	2	15.2,	180.3,	303.2,	-295.5,	-14.0,
3	15.2,	215.2,	296.3,	-288.0,	-40.4,	4	15.2,	243.6,	280.4,	-271.8,	-65.7,
5	15.2,	265.4,	256.0,	-247.2,	-88.6,	6	15.2,	284.2,	223.8,	-215.2,	-106.2,
7	15.2,	294.4,	184.9,	-176.7,	-120.6,	8	15.2,	295.6,	140.3,	-132.8,	-131.4,
9	15.2,	289.4,	95.2,	-87.1,	-138.9,	10	15.2,	300.9,	139.9,	-82.9,	-143.6,
11	15.2,	303.2,	180.3,	-76.2,	-143.9,	12	15.2,	296.3,	215.2,	-67.1,	-139.8,
13	15.2,	280.4,	243.6,	-56.1,	-131.5,	14	15.2,	256.0,	265.4,	-44.1,	-119.2,
15	15.2,	223.8,	284.2,	-35.9,	-103.3,	16	15.2,	184.9,	294.4,	-26.6,	-84.3,
17	15.2,	140.3,	295.6,	-16.4,	-62.6,	18	15.2,	95.2,	289.4,	-5.8,	-39.5,
19	15.2,	139.9,	300.9,	-6.8,	-13.0,	20	15.2,	180.3,	303.2,	-7.7,	14.0,
21	15.2,	215.2,	296.3,	-8.3,	40.4,	22	15.2,	243.6,	280.4,	-8.7,	65.7,
23	15.2,	265.4,	256.0,	-8.8,	88.6,	24	15.2,	284.2,	223.8,	-8.6,	106.2,
25	15.2,	294.4,	184.9,	-8.2,	120.6,	26	15.2,	295.6,	140.3,	-7.5,	131.4,
27	15.2,	289.4,	95.2,	-8.1,	138.9,	28	15.2,	300.9,	139.9,	-57.0,	143.6,
29	15.2,	303.2,	180.3,	-104.1,	143.9,	30	15.2,	296.3,	215.2,	-148.0,	139.8,
31	15.2,	280.4,	243.6,	-187.5,	131.5,	32	15.2,	256.0,	265.4,	-221.3,	119.2,
33	15.2,	223.8,	284.2,	-248.3,	103.3,	34	15.2,	184.9,	294.4,	-267.8,	84.3,
35	15.2,	140.3,	295.6,	-279.2,	62.6,	36	15.2,	95.2,	289.4,	-283.6,	39.5,

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = MONDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = TUESDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.1000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = WEDNESDY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = THURSDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = FRIDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STCK2 ; SOURCE TYPE = POINT :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = MONDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .1000E+01 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = WEDNESDY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = THURSDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = FRIDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STCK3 ; SOURCE TYPE = POINT :

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

DAY OF WEEK = MONDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .1000E+01 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = WEDNESDY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = THURSDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = FRIDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STCK4 ; SOURCE TYPE = POINT :

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

- - - -

DAY OF WEEK = THURSDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00								
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00								
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = FRIDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00								
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00								
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00								
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00								
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00								
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00								
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STCK5 ; SOURCE TYPE = POINT :

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

DAY OF WEEK = MONDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00								
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00								
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = TUESDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00								
9	.0000E+00	10	.0000E+00	11	.1000E+01	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00								
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = WEDNESDY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00								
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00								
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00								

DAY OF WEEK = THURSDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = FRIDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STCK6 ; SOURCE TYPE = POINT :

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

DAY OF WEEK = MONDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .1000E+01 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = WEDNESDY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = THURSDAY

```
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = FRIDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:35:31

                      PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW7) *

 SOURCE ID = STCK7        ; SOURCE TYPE = POINT    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = MONDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = TUESDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .1000E+01   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = WEDNESDY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = THURSDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STCK8 ; SOURCE TYPE = POINT :

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

DAY OF WEEK = MONDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = TUESDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .1000E+01 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = WEDNESDY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = THURSDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = FRIDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STCK9 ; SOURCE TYPE = POINT :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = MONDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = TUESDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .1000E+01 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = WEDNESDY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = THURSDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = FRIDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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

(493343.8, 3762037.3, 711.3, 711.3, 0.0); (493410.0, 3761986.4, 713.0, 713.0, 0.0);
(493417.5, 3761973.0, 713.0, 713.0, 0.0); (493468.3, 3761958.4, 714.0, 714.0, 0.0);
(493499.8, 3761947.4, 713.9, 713.9, 0.0); (493614.4, 3761892.8, 711.3, 711.3, 0.0);
(493613.7, 3761905.0, 712.0, 712.0, 0.0); (493614.4, 3761917.1, 712.9, 712.9, 0.0);
(493614.4, 3761927.4, 713.5, 713.5, 0.0); (493613.3, 3761940.2, 714.2, 714.2, 0.0);
(493616.5, 3761952.1, 714.8, 714.8, 0.0); (493615.2, 3761961.7, 715.2, 715.2, 0.0);
(493614.5, 3761973.8, 715.6, 715.6, 0.0); (493614.0, 3761985.0, 716.0, 716.0, 0.0);
(493613.7, 3761996.5, 716.0, 716.0, 0.0); (493614.2, 3762007.4, 716.0, 716.0, 0.0);
(493615.8, 3762018.6, 716.0, 716.0, 0.0); (493614.7, 3762025.7, 716.1, 716.1, 0.0);
(493614.4, 3762035.0, 716.3, 716.3, 0.0); (493613.1, 3762043.7, 716.4, 716.4, 0.0);
(493613.7, 3762052.1, 716.5, 716.5, 0.0); (493613.8, 3762061.6, 716.7, 716.7, 0.0);
(493614.2, 3762071.5, 716.9, 716.9, 0.0); (493696.5, 3761742.5, 707.6, 725.0, 0.0);
(493707.3, 3761768.9, 706.9, 725.0, 0.0); (493728.0, 3761742.8, 710.3, 725.0, 0.0);
(493755.6, 3761733.7, 712.8, 725.0, 0.0); (493750.5, 3761720.6, 712.0, 725.0, 0.0);
(493745.9, 3761709.5, 711.5, 725.0, 0.0); (493741.4, 3761696.9, 711.0, 725.0, 0.0);

(493738.5, 3761681.0, 710.9, 726.0, 0.0); (493737.4, 3761663.9, 711.5, 726.0, 0.0);
(493736.5, 3761651.4, 711.4, 726.0, 0.0); (494418.1, 3761416.1, 723.3, 723.3, 0.0);
(494473.7, 3761368.1, 723.5, 723.5, 0.0); (494939.8, 3761394.3, 726.8, 740.0, 0.0);
(494686.4, 3761403.4, 733.0, 733.0, 0.0); (494576.0, 3761568.6, 731.5, 731.5, 0.0);
(494541.5, 3761602.8, 730.6, 730.6, 0.0); (494822.5, 3761435.2, 735.9, 740.0, 0.0);
(494846.2, 3761504.6, 735.0, 735.0, 0.0); (494841.1, 3761535.8, 735.0, 735.0, 0.0);
(494837.9, 3761553.1, 735.1, 735.1, 0.0); (494885.6, 3761199.1, 718.8, 718.8, 0.0);
(494976.7, 3761325.6, 731.5, 732.0, 0.0); (494985.3, 3761366.2, 730.7, 730.7, 0.0);
(495070.9, 3761299.2, 719.5, 745.0, 0.0); (495115.5, 3760632.6, 721.9, 721.9, 0.0);
(495069.0, 3760685.3, 721.5, 721.5, 0.0); (495087.5, 3760728.3, 723.6, 723.6, 0.0);
(495079.9, 3760834.5, 723.0, 729.0, 0.0); (495202.4, 3760883.6, 731.0, 731.0, 0.0);
(495237.6, 3760939.3, 731.2, 731.2, 0.0); (495298.5, 3761048.6, 729.3, 732.0, 0.0);
(490844.4, 3759375.8, 587.9, 785.0, 0.0); (490895.8, 3759357.7, 586.8, 785.0, 0.0);
(490596.7, 3759246.7, 597.3, 785.0, 0.0); (489103.6, 3759859.2, 567.9, 779.0, 0.0);
(488940.5, 3759893.3, 560.4, 781.0, 0.0); (488472.3, 3759865.6, 559.4, 781.0, 0.0);
(488432.5, 3759884.3, 559.3, 781.0, 0.0); (488713.1, 3759827.8, 560.0, 781.0, 0.0);
(487562.3, 3760285.6, 540.4, 775.0, 0.0); (487809.3, 3760420.9, 541.1, 774.0, 0.0);
(487553.1, 3761208.2, 551.7, 699.0, 0.0); (487899.8, 3760972.4, 552.2, 706.0, 0.0);
(487983.2, 3762301.2, 555.5, 699.0, 0.0); (487913.7, 3762403.2, 548.5, 696.0, 0.0);
(487890.6, 3762238.1, 554.6, 699.0, 0.0); (488190.1, 3762513.9, 548.5, 706.0, 0.0);
(488424.4, 3762586.5, 547.0, 706.0, 0.0); (488657.5, 3762495.9, 566.8, 706.0, 0.0);
(488908.2, 3762583.2, 569.9, 706.0, 0.0); (489170.3, 3762660.8, 588.4, 687.0, 0.0);
(489382.2, 3762809.6, 594.9, 686.0, 0.0); (489294.9, 3762783.6, 591.7, 687.0, 0.0);
(489889.7, 3762661.2, 634.0, 683.0, 0.0); (490022.9, 3762783.3, 608.4, 683.0, 0.0);
(490424.0, 3762839.2, 608.0, 692.0, 0.0); (490375.9, 3762870.4, 609.0, 692.0, 0.0);
(491453.1, 3762845.5, 638.6, 693.0, 0.0); (491132.3, 3762903.5, 624.8, 693.0, 0.0);
(492828.1, 3762200.5, 694.0, 694.0, 0.0); (492961.5, 3762258.5, 697.9, 718.0, 0.0);
(493034.0, 3762272.6, 710.8, 718.0, 0.0); (493032.3, 3762205.2, 706.1, 718.0, 0.0);
(493087.3, 3762215.2, 710.1, 718.0, 0.0); (493079.9, 3762296.4, 710.1, 718.0, 0.0);
(493163.8, 3762367.2, 696.6, 718.0, 0.0); (493068.9, 3762510.0, 704.0, 708.0, 0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(493101.1, 3762454.7, 706.2, 706.2, 0.0); (493281.8, 3762369.2,
705.3, 705.3, 0.0);
(493351.5, 3762095.4, 712.2, 712.2, 0.0); (493439.5, 3762105.8,
714.0, 714.0, 0.0);
(493972.9, 3763044.2, 720.3, 720.3, 0.0); (493957.0, 3763184.1,
717.8, 717.8, 0.0);
(493583.5, 3763480.4, 696.8, 696.8, 0.0); (493258.5, 3763568.1,
691.3, 707.0, 0.0);
(492895.8, 3763485.7, 678.5, 697.0, 0.0); (493781.0, 3761659.0,
719.0, 725.0, 0.0);
(493797.6, 3761658.3, 720.2, 725.0, 0.0); (493831.9, 3761631.5,
722.8, 724.0, 0.0);
(493900.2, 3761664.0, 723.5, 723.5, 0.0); (493918.6, 3761666.1,
722.4, 725.0, 0.0);
(493929.5, 3761662.2, 721.1, 725.0, 0.0); (493945.8, 3761667.9,
723.3, 723.3, 0.0);
(493758.4, 3761524.3, 724.8, 724.8, 0.0); (493961.0, 3761672.8,
724.3, 724.3, 0.0);
(493975.2, 3761679.6, 722.8, 722.8, 0.0); (493987.5, 3761687.7,
723.2, 723.2, 0.0);
(493998.9, 3761697.2, 722.6, 726.0, 0.0); (494007.7, 3761707.5,
723.6, 726.0, 0.0);
(494016.9, 3761718.1, 725.7, 725.7, 0.0); (494024.7, 3761730.8,
723.5, 726.0, 0.0);
(493315.0, 3761670.1, 705.1, 705.1, 0.0); (493288.8, 3761661.1,
701.5, 712.0, 0.0);
(493222.4, 3761640.9, 695.1, 713.0, 0.0); (493255.6, 3761654.0,
696.0, 713.0, 0.0);
(493182.2, 3761647.0, 696.7, 713.0, 0.0); (493148.0, 3761653.0,
697.4, 713.0, 0.0);
(493101.8, 3761660.1, 695.8, 713.0, 0.0); (493324.0, 3761710.3,
708.3, 708.3, 0.0);
(493060.5, 3761669.1, 698.3, 712.0, 0.0); (493024.3, 3761676.1,
696.5, 712.0, 0.0);
(492985.1, 3761681.2, 696.9, 709.0, 0.0); (492942.8, 3761684.2,
694.8, 709.0, 0.0);
(492891.5, 3761671.1, 687.5, 710.0, 0.0); (492845.3, 3761679.2,
683.3, 710.0, 0.0);
(492794.0, 3761678.2, 683.2, 696.0, 0.0); (492742.7, 3761677.2,
683.3, 696.0, 0.0);
(492700.5, 3761676.1, 686.3, 696.0, 0.0); (492648.2, 3761672.1,
689.4, 696.0, 0.0);
(492508.4, 3761666.1, 684.7, 684.7, 0.0); (492597.9, 3761670.1,
690.1, 695.0, 0.0);
(492551.6, 3761666.1, 686.8, 695.0, 0.0); (492495.3, 3761700.3,
685.6, 685.6, 0.0);
(492481.2, 3761732.5, 685.7, 685.7, 0.0); (492457.1, 3761765.7,
684.6, 684.6, 0.0);
(492477.2, 3761806.9, 682.9, 682.9, 0.0); (492508.4, 3761852.1,
683.8, 683.8, 0.0);
(492518.1, 3762007.7, 686.8, 695.0, 0.0); (492443.6, 3761999.4,
688.3, 695.0, 0.0);
(492380.9, 3761971.0, 682.8, 695.0, 0.0); (492312.3, 3761936.7,
678.8, 695.0, 0.0);
(492249.5, 3761883.5, 681.0, 695.0, 0.0); (492180.9, 3761855.1,
684.7, 687.0, 0.0);
(492149.0, 3761837.3, 682.3, 682.3, 0.0); (492083.9, 3761816.0,
685.3, 685.3, 0.0);
(492015.3, 3761794.7, 667.3, 695.0, 0.0); (491926.5, 3761774.6,
678.7, 687.0, 0.0);

(491867.3, 3761762.8, 665.8, 692.0, 0.0); (491743.1, 3761728.5, 674.8, 688.0, 0.0);
(491681.6, 3761714.3, 656.3, 689.0, 0.0); (491610.6, 3761698.9, 649.8, 689.0, 0.0);
(491553.8, 3761674.0, 659.1, 688.0, 0.0); (491514.7, 3761658.6, 669.5, 686.0, 0.0);
(491461.5, 3761627.9, 668.4, 686.0, 0.0); (491407.1, 3761603.0, 672.7, 686.0, 0.0);
(491355.0, 3761587.7, 664.0, 686.0, 0.0); (491320.7, 3761580.6, 666.5, 686.0, 0.0);
(492931.5, 3761881.4, 696.1, 708.0, 0.0); (492843.4, 3761896.8, 695.0, 695.0, 0.0);
(492762.2, 3761929.3, 697.1, 697.1, 0.0); (492691.3, 3761967.8, 696.7, 696.7, 0.0);
(492617.7, 3761993.4, 687.2, 697.0, 0.0); (494519.3, 3761285.1, 721.1, 721.1, 0.0);
(494265.3, 3761183.5, 698.4, 726.0, 0.0); (494290.9, 3761123.6, 704.4, 726.0, 0.0);
(494313.8, 3761084.9, 713.2, 726.0, 0.0); (494341.0, 3761046.2, 705.3, 726.0, 0.0);
(494367.5, 3761011.8, 707.5, 726.0, 0.0); (494393.4, 3760979.7, 704.5, 726.0, 0.0);
(494424.2, 3760948.0, 700.8, 726.0, 0.0); (494307.5, 3761200.9, 707.9, 726.0, 0.0);
(494346.3, 3761216.2, 717.3, 725.0, 0.0); (494386.6, 3761231.1, 722.1, 722.1, 0.0);
(494420.0, 3761245.8, 720.5, 722.0, 0.0); (494454.7, 3761261.0, 719.3, 719.3, 0.0);
(494487.4, 3761272.8, 719.3, 719.3, 0.0); (494545.0, 3761260.7, 721.2, 721.2, 0.0);

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

(494464.5, 3760972.0, 703.9, 726.0, 0.0);

*** 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
```

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,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file:
RDLD_V9_ADJU\RDLD_v9.SFC Met
Version: 16216
Profile file:
RDLD_V9_ADJU\RDLD_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-10.6	0.149	-9.000	-9.000	-999.	138.	26.7	0.32	3.22	1.00	1.30	110.	9.1	285.4	5.5
12	01	01	1	02	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	130.	9.1	284.5	5.5
12	01	01	1	03	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	100.	9.1	285.0	5.5
12	01	01	1	04	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	107.	9.1	284.6	5.5
12	01	01	1	05	-10.7	0.149	-9.000	-9.000	-999.	138.	26.7	0.32	3.22	1.00	1.30	98.	9.1	284.9	5.5
12	01	01	1	06	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	86.	9.1	284.5	5.5
12	01	01	1	07	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	1.00	0.90	91.	9.1	284.0	5.5
12	01	01	1	08	-4.0	0.102	-9.000	-9.000	-999.	78.	22.9	0.32	3.22	0.54	0.90	107.	9.1	285.0	5.5
12	01	01	1	09	44.6	0.237	0.382	0.006	43.	276.	-25.6	0.15	3.22	0.33	2.10	81.	10.1	289.1	5.5
12	01	01	1	10	134.3	0.111	0.882	0.008	176.	99.	-1.0	0.32	3.22	0.26	0.40	72.	9.1	295.1	5.5

```
 12 01 01   1 11  199.8  0.409  1.429  0.005  503.  627.    -29.4  0.15   3.22   0.23    3.68
 78.   10.1  297.9    5.5
 12 01 01   1 12  232.3  0.300  1.889  0.005  999.  402.    -10.0  0.32   3.22   0.22    1.80
 333.    9.1  299.4    5.5
 12 01 01   1 13  230.0  0.300  2.134  0.005 1453.  394.    -10.1  0.32   3.22   0.22    1.80
 72.    9.1  300.4    5.5
 12 01 01   1 14  194.0  0.294  2.109  0.005 1663.  382.    -11.2  0.32   3.22   0.24    1.80
 277.    9.1  301.0    5.5
 12 01 01   1 15  126.3  0.378  1.872  0.005 1784.  557.    -36.5  0.32   3.22   0.27    2.70
 243.    9.1  301.0    5.5
 12 01 01   1 16   39.5  0.199  1.278  0.005 1817.  240.    -17.2  0.32   3.22   0.36    1.30
 274.    9.1  300.1    5.5
 12 01 01   1 17   -4.7  0.101 -9.000 -9.000 -999.   85.     19.0  0.32   3.22   0.65    0.90
 252.    9.1  298.2    5.5
 12 01 01   1 18   -4.9  0.102 -9.000 -9.000 -999.   78.     18.2  0.32   3.22   1.00    0.90
 116.    9.1  296.4    5.5
 12 01 01   1 19  -18.8  0.204 -9.000 -9.000 -999.  220.     45.6  0.15   3.22   1.00    2.27
 79.   10.1  292.2    5.5
 12 01 01   1 20   -5.0  0.102 -9.000 -9.000 -999.   83.     18.1  0.32   3.22   1.00    0.90
 95.    9.1  290.2    5.5
 12 01 01   1 21   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00    0.90
 99.    9.1  287.8    5.5
 12 01 01   1 22   -5.0  0.102 -9.000 -9.000 -999.   78.     18.0  0.32   3.22   1.00    0.90
 110.    9.1  287.6    5.5
 12 01 01   1 23  -10.6  0.149 -9.000 -9.000 -999.  138.     26.8  0.32   3.22   1.00    1.30
 89.    9.1  287.2    5.5
 12 01 01   1 24   -5.0  0.102 -9.000 -9.000 -999.   78.     17.9  0.32   3.22   1.00    0.90
 105.    9.1  285.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.5 0 -999.  -99.00   285.5   99.0  -99.00  -99.00
 12 01 01 01    9.1 1  110.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:35:31

                      PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR
                              SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0002041    , L0002042    ,
                                  L0002043    , L0002044    , L0002045    ,
                    L0002046    , L0002047    , L0002048    , L0002049    , L0002050    ,
                    L0002051    , L0002052    , L0002053    ,
                    L0002054    , L0002055    , L0002056    , L0002057    , L0002058    ,
                    L0002059    , L0002060    , L0002061    ,
                    L0002062    , L0002063    , L0002064    , L0002065    , L0002066    ,
                    L0002067    , L0002068    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

      X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)   Y-COORD
      (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - -
        493343.85    3762037.28        0.00156                       493409.97
        3761986.39        0.00170
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493417.46 3761972.99 0.00175 493468.31
3761958.40 0.00179
493499.84 3761947.37 0.00184 493614.36
3761892.81 0.00214
493613.66 3761905.05 0.00206 493614.36
3761917.12 0.00198
493614.36 3761927.44 0.00192 493613.31
3761940.20 0.00186
493616.46 3761952.10 0.00179 493615.23
3761961.71 0.00175
493614.53 3761973.78 0.00170 493614.01
3761984.98 0.00166
493613.66 3761996.52 0.00162 493614.18
3762007.36 0.00159
493615.76 3762018.56 0.00156 493614.71
3762025.73 0.00154
493614.36 3762035.00 0.00151 493613.13
3762043.74 0.00149
493613.66 3762052.14 0.00146 493613.83
3762061.58 0.00144
493614.18 3762071.55 0.00141 493696.46
3761742.53 0.00324
493707.35 3761768.92 0.00301 493727.98
3761742.80 0.00302
493755.61 3761733.69 0.00292 493750.48
3761720.58 0.00308
493745.92 3761709.48 0.00322 493741.37
3761696.95 0.00339
493738.52 3761681.00 0.00358 493737.38
3761663.91 0.00375
493736.52 3761651.38 0.00391 494418.08
3761416.13 0.00357
494473.73 3761368.11 0.00509 494939.85
3761394.35 0.00161
494686.37 3761403.42 0.00779 494575.98
3761568.60 0.00182
494541.49 3761602.79 0.00173 494822.53
3761435.24 0.00175
494846.18 3761504.63 0.00142 494841.06
3761535.78 0.00134
494837.90 3761553.12 0.00130 494885.61
3761199.09 0.00238
494976.68 3761325.65 0.00158 494985.35
3761366.25 0.00150
495070.90 3761299.23 0.00162 495115.47
3760632.60 0.00190
495069.03 3760685.30 0.00211 495087.55
3760728.31 0.00212
495079.90 3760834.52 0.00229 495202.38
3760883.65 0.00187
495237.63 3760939.31 0.00177 495298.45
3761048.56 0.00158
490844.43 3759375.83 0.00032 490895.79
3759357.70 0.00032
490596.67 3759246.67 0.00028 489103.59
3759859.22 0.00018
488940.48 3759893.26 0.00017 488472.34
3759865.64 0.00015
488432.53 3759884.27 0.00015 488713.15
3759827.76 0.00016
487562.29 3760285.62 0.00012 487809.35
3760420.86 0.00013
487553.10 3761208.24 0.00012 487899.76
3760972.40 0.00013
487983.18 3762301.23 0.00013 487913.66
3762403.25 0.00013

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002041 , L0002042 , L0002043 , L0002044 , L0002045 ,
L0002046 , L0002047 , L0002048 , L0002049 , L0002050 ,
L0002051 , L0002052 , L0002053 ,
L0002054 , L0002055 , L0002056 , L0002057 , L0002058 ,
L0002059 , L0002060 , L0002061 ,
L0002062 , L0002063 , L0002064 , L0002065 , L0002066 ,
L0002067 , L0002068 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
487890.59	3762238.09	0.00013	488190.14	3762513.88	0.00014
488424.39	3762586.51	0.00014	488657.54	3762495.87	0.00016
488908.17	3762583.23	0.00017	489170.26	3762660.77	0.00018
489382.17	3762809.64	0.00019	489294.91	3762783.65	0.00019
489889.72	3762661.22	0.00024	490022.93	3762783.29	0.00024
490423.96	3762839.25	0.00028	490375.94	3762870.37	0.00027
491453.08	3762845.48	0.00044	491132.33	3762903.51	0.00037
492828.06	3762200.49	0.00130	492961.55	3762258.51	0.00123
493033.99	3762272.60	0.00106	493032.31	3762205.18	0.00121
493087.32	3762215.25	0.00116	493079.94	3762296.41	0.00105
493163.79	3762367.18	0.00119	493068.87	3762510.05	0.00090
493101.07	3762454.71	0.00093	493281.84	3762369.19	0.00107
493351.51	3762095.42	0.00141	493439.48	3762105.84	0.00138
493972.90	3763044.23	0.00047	493957.03	3763184.09	0.00044
493583.55	3763480.45	0.00049	493258.47	3763568.15	0.00048
492895.78	3763485.72	0.00050	493781.01	3761659.05	0.00323
493797.63	3761658.35	0.00311	493831.94	3761631.47	0.00308
493900.20	3761664.01	0.00261	493918.59	3761666.13	0.00261
493929.55	3761662.24	0.00266	493945.82	3761667.90	0.00250

493758.37 3761524.30 0.00446 493961.03
3761672.85 0.00240
493975.18 3761679.57 0.00240 493987.55
3761687.70 0.00233
493998.87 3761697.25 0.00228 494007.71
3761707.51 0.00218
494016.91 3761718.12 0.00205 494024.69
3761730.85 0.00206
493314.96 3761670.12 0.00387 493288.81
3761661.06 0.00401
493222.44 3761640.95 0.00423 493255.62
3761654.02 0.00417
493182.21 3761646.98 0.00396 493148.01
3761653.02 0.00378
493101.75 3761660.06 0.00366 493324.01
3761710.34 0.00332
493060.51 3761669.11 0.00347 493024.31
3761676.15 0.00340
492985.08 3761681.18 0.00329 492942.84
3761684.20 0.00322
492891.55 3761671.12 0.00330 492845.28
3761679.17 0.00314
492793.99 3761678.16 0.00307 492742.70
3761677.16 0.00302
492700.46 3761676.15 0.00298 492648.16
3761672.13 0.00295
492508.36 3761666.09 0.00294 492597.87
3761670.12 0.00292
492551.61 3761666.09 0.00293 492495.29
3761700.29 0.00265
492481.21 3761732.47 0.00242 492457.07
3761765.66 0.00222
492477.18 3761806.90 0.00203 492508.36
3761852.15 0.00188
492518.15 3762007.71 0.00148 492443.60
3761999.43 0.00144
492380.89 3761971.03 0.00146 492312.26
3761936.72 0.00147
492249.55 3761883.47 0.00154 492180.92
3761855.07 0.00153
492148.97 3761837.32 0.00154 492083.89
3761816.03 0.00150
492015.26 3761794.73 0.00140 491926.52
3761774.61 0.00130
491867.35 3761762.78 0.00119 491743.11
3761728.46 0.00103
491681.58 3761714.27 0.00094 491610.59
3761698.88 0.00085
491553.79 3761674.03 0.00082 491514.74
3761658.65 0.00080
491461.50 3761627.89 0.00076 491407.07
3761603.04 0.00073
491355.00 3761587.66 0.00069 491320.69
3761580.56 0.00067

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0002041 , L0002042 ,
L0002043 , L0002044 , L0002045 ,

L0002046 , L0002047 , L0002048 , L0002049 , L0002050 ,
L0002051 , L0002052 , L0002053 ,
L0002054 , L0002055 , L0002056 , L0002057 , L0002058 ,
L0002059 , L0002060 , L0002061 ,
L0002062 , L0002063 , L0002064 , L0002065 , L0002066 ,
L0002067 , L0002068 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
492931.50	3761881.45	0.00207	492843.44	3761896.84	0.00195
492762.21	3761929.32	0.00177	492691.26	3761967.80	0.00163
492617.73	3761993.44	0.00158	494519.30	3761285.14	0.00759
494265.35	3761183.47	0.01301	494290.88	3761123.62	0.01095
494313.77	3761084.89	0.00955	494341.05	3761046.16	0.01227
494367.46	3761011.83	0.01176	494393.43	3760979.70	0.01097
494424.24	3760948.01	0.00956	494307.46	3761200.93	0.01093
494346.26	3761216.20	0.00881	494386.64	3761231.14	0.00780
494420.03	3761245.77	0.00772	494454.69	3761261.03	0.00740
494487.44	3761272.80	0.00743	494545.00	3761260.72	0.00532
494464.49	3760971.99	0.00823			

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.01301 AT (494265.35, 3761183.47, 698.39, 726.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.01227 AT (494341.05, 3761046.16, 705.35, 726.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.01176 AT (494367.46, 3761011.83, 707.51,		

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         726.00,    0.00)  DC
         4TH HIGHEST VALUE IS       0.01097 AT (  494393.43,  3760979.70,   704.49,
         726.00,    0.00)  DC
         5TH HIGHEST VALUE IS       0.01095 AT (  494290.88,  3761123.62,   704.38,
         726.00,    0.00)  DC
         6TH HIGHEST VALUE IS       0.01093 AT (  494307.46,  3761200.93,   707.88,
         726.00,    0.00)  DC
         7TH HIGHEST VALUE IS       0.00956 AT (  494424.24,  3760948.01,   700.85,
         726.00,    0.00)  DC
         8TH HIGHEST VALUE IS       0.00955 AT (  494313.77,  3761084.89,   713.23,
         726.00,    0.00)  DC
         9TH HIGHEST VALUE IS       0.00881 AT (  494346.26,  3761216.20,   717.35,
         725.00,    0.00)  DC
        10TH HIGHEST VALUE IS       0.00823 AT (  494464.49,  3760971.99,   703.88,
        726.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15218 Mesa
Verde\15218 Ops CO\1 ***        05/22/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:35:31

                     PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of           11 Warning Message(s)
 A Total of          388 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          191 Calm Hours Identified

 A Total of          197 Missing Hours Identified (  0.45 Percent)


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


    ********   WARNING MESSAGES   ********
 SO W320    4988        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 SO W320    4989        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 SO W320    4990        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 SO W320    4991        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 SO W320    4992        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 SO W320    4993        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 SO W320    4994        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 SO W320    4995        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 SO W320    4996        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 ME W186    5531       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used         0.50
 ME W187    5531       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

    ***********************************
    *** AERMOD Finishes Successfully ***
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APPENDIX 2.4:

RISK CALCULATIONS

Construction Risk (Without Mitigation)

Receptor No.	Age Bin	DPM Conc. ($\mu g/m^3$)	Exposure Frequency (days)	Exposure Duration (years)	Inhalation Rate (L/kg-day)	Inhalation Absorption Factor	Averaging Time (years)	FAH	ASF	Cancer Risk				Non-Cancer Risk							
										URF	CPF	Dose	Risk (per million)	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	REPRO	EYES
1	-0.25 to 0	0.00071	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	1.8E-07	0.01	5.0E+00	1.4E-03	1.4E-04						
	0 to 2	0.00071	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	5.3E-07	0.16	5.0E+00	1.4E-03	1.4E-04						
	2 to 16	0.00071	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	2.8E-07	0.18	5.0E+00	1.4E-03	1.4E-04						
	16 to 30	0.00071	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	1.3E-07	0.01	5.0E+00	1.4E-03	1.4E-04						
												Total	0.35			5.7E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
2 (MEIR)	-0.25 to 0	0.00192	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	4.7E-07	0.02	5.0E+00	1.4E-03	3.8E-04						
	0 to 2	0.00192	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	1.4E-06	0.43	5.0E+00	1.4E-03	3.8E-04						
	2 to 16	0.00192	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	7.5E-07	0.47	5.0E+00	1.4E-03	3.8E-04						
	16 to 30	0.00192	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	3.4E-07	0.02	5.0E+00	1.4E-03	3.8E-04						
												Total	0.94			1.5E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
3	-0.25 to 0	0.00131	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	3.2E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
	0 to 2	0.00131	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	9.8E-07	0.29	5.0E+00	1.4E-03	2.6E-04						
	2 to 16	0.00131	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	5.1E-07	0.32	5.0E+00	1.4E-03	2.6E-04						
	16 to 30	0.00131	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	2.3E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
												Total	0.64			1.0E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
4 (MEISC)	4 to 13	0.00124	180	9.00	572	1	70	1.00	3	3.0E-04	1.1E+00	3.5E-07	0.14	5.0E+00	1.4E-03	2.5E-04						
												Total	0.14			2.5E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
5	-0.25 to 0	0.00128	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	3.2E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
	0 to 2	0.00128	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	9.6E-07	0.29	5.0E+00	1.4E-03	2.6E-04						
	2 to 16	0.00128	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	5.0E-07	0.32	5.0E+00	1.4E-03	2.6E-04						
	16 to 30	0.00128	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	2.3E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
												Total	0.63			1.0E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
6	-0.25 to 0	0.00185	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	4.6E-07	0.02	5.0E+00	1.4E-03	3.7E-04						
	0 to 2	0.00185	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	1.4E-06	0.41	5.0E+00	1.4E-03	3.7E-04						
	2 to 16	0.00185	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	7.2E-07	0.46	5.0E+00	1.4E-03	3.7E-04						
	16 to 30	0.00185	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	3.3E-07	0.02	5.0E+00	1.4E-03	3.7E-04						
												Total	0.90			1.5E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
7	-0.25 to 0	0.00187	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	4.6E-07	0.02	5.0E+00	1.4E-03	3.7E-04						
	0 to 2	0.00187	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	1.4E-06	0.42	5.0E+00	1.4E-03	3.7E-04						
	2 to 16	0.00187	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	7.3E-07	0.46	5.0E+00	1.4E-03	3.7E-04						
	16 to 30	0.00187	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	3.3E-07	0.02	5.0E+00	1.4E-03	3.7E-04						
												Total	0.91			1.5E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
8	-0.25 to 0	0.00135	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	3.3E-07	0.01	5.0E+00	1.4E-03	2.7E-04						
	0 to 2	0.00135	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	1.0E-06	0.30	5.0E+00	1.4E-03	2.7E-04						
	2 to 16	0.00135	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	5.3E-07	0.33	5.0E+00	1.4E-03	2.7E-04						
	16 to 30	0.00135	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	2.4E-07	0.01	5.0E+00	1.4E-03	2.7E-04						
												Total	0.66			1.1E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
9	-0.25 to 0	0.00131	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	3.2E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
	0 to 2	0.00131	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	9.8E-07	0.29	5.0E+00	1.4E-03	2.6E-04						
	2 to 16	0.00131	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	5.1E-07	0.32	5.0E+00	1.4E-03	2.6E-04						
	16 to 30	0.00131	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	2.3E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
												Total	0.64			1.0E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
10 (MEIW)	16 to 41	0.01101	250	19.52	230	1	70	1.00	1	3.0E-04	1.1E+00	1.7E-06	0.51	5.0E+00	1.4E-03	2.2E-03						
												Total	0.51			2.2E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Construction Risk (With Mitigation)

Receptor No.	Age Bin	DPM Conc. ($\mu g/m^3$)	Exposure Frequency (days)	Exposure Duration (years)	Inhalation Rate (L/kg-day)	Inhalation Absorption Factor	Averaging Time (years)	FAH	ASF	Cancer Risk				Non-Cancer Risk							
										URF	CPF	Dose	Risk (per million)	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	REPRO	EYES
1	-0.25 to 0	0.00020	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	4.9E-08	0.00	5.0E+00	1.4E-03	4.0E-05						
	0 to 2	0.00020	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	1.5E-07	0.04	5.0E+00	1.4E-03	4.0E-05						
	2 to 16	0.00020	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	7.8E-08	0.05	5.0E+00	1.4E-03	4.0E-05						
	16 to 30	0.00020	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	3.6E-08	0.00	5.0E+00	1.4E-03	4.0E-05						
												Total	0.10			1.6E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
2	-0.25 to 0	0.00054	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	1.3E-07	0.01	5.0E+00	1.4E-03	1.1E-04						
	0 to 2	0.00054	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	4.0E-07	0.12	5.0E+00	1.4E-03	1.1E-04						
	2 to 16	0.00054	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	2.1E-07	0.13	5.0E+00	1.4E-03	1.1E-04						
	16 to 30	0.00054	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	9.7E-08	0.00	5.0E+00	1.4E-03	1.1E-04						
												Total	0.26			4.3E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
3	-0.25 to 0	0.00037	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	9.1E-08	0.00	5.0E+00	1.4E-03	7.4E-05						
	0 to 2	0.00037	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	2.8E-07	0.08	5.0E+00	1.4E-03	7.4E-05						
	2 to 16	0.00037	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	1.4E-07	0.09	5.0E+00	1.4E-03	7.4E-05						
	16 to 30	0.00037	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	6.6E-08	0.00	5.0E+00	1.4E-03	7.4E-05						
												Total	0.18			3.0E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
4 (MEISC)	4 to 13	0.00036	180	9.00	572	1	70	1.00	3	3.0E-04	1.1E+00	1.0E-07	0.04	5.0E+00	1.4E-03	7.2E-05						
												Total	0.04			7.2E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
5	-0.25 to 0	0.00037	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	9.1E-08	0.00	5.0E+00	1.4E-03	7.4E-05						
	0 to 2	0.00037	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	2.8E-07	0.08	5.0E+00	1.4E-03	7.4E-05						
	2 to 16	0.00037	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	1.4E-07	0.09	5.0E+00	1.4E-03	7.4E-05						
	16 to 30	0.00037	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	6.6E-08	0.00	5.0E+00	1.4E-03	7.4E-05						
												Total	0.18			3.0E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
6	-0.25 to 0	0.00053	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	1.3E-07	0.00	5.0E+00	1.4E-03	1.1E-04						
	0 to 2	0.00053	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	4.0E-07	0.12	5.0E+00	1.4E-03	1.1E-04						
	2 to 16	0.00053	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	2.1E-07	0.13	5.0E+00	1.4E-03	1.1E-04						
	16 to 30	0.00053	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	9.5E-08	0.00	5.0E+00	1.4E-03	1.1E-04						
												Total	0.26			4.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
7	-0.25 to 0	0.00054	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	1.3E-07	0.01	5.0E+00	1.4E-03	1.1E-04						
	0 to 2	0.00054	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	4.0E-07	0.12	5.0E+00	1.4E-03	1.1E-04						
	2 to 16	0.00054	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	2.1E-07	0.13	5.0E+00	1.4E-03	1.1E-04						
	16 to 30	0.00054	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	9.7E-08	0.00	5.0E+00	1.4E-03	1.1E-04						
												Total	0.26			4.3E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
8	-0.25 to 0	0.00040	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	9.9E-08	0.00	5.0E+00	1.4E-03	8.0E-05						
	0 to 2	0.00040	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	3.0E-07	0.09	5.0E+00	1.4E-03	8.0E-05						
	2 to 16	0.00040	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	1.6E-07	0.10	5.0E+00	1.4E-03	8.0E-05						
	16 to 30	0.00040	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	7.2E-08	0.00	5.0E+00	1.4E-03	8.0E-05						
												Total	0.20			3.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
9 (MEIR)	-0.25 to 0	0.00065	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	1.6E-07	0.01	5.0E+00	1.4E-03	1.3E-04						
	0 to 2	0.00065	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	4.9E-07	0.15	5.0E+00	1.4E-03	1.3E-04						
	2 to 16	0.00065	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	2.5E-07	0.16	5.0E+00	1.4E-03	1.3E-04						
	16 to 30	0.00065	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	1.2E-07	0.01	5.0E+00	1.4E-03	1.3E-04						
												Total	0.32			5.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
10 (MEIW)	16 to 41	0.01031	250	19.52	230	1	70	1.00	1	3.0E-04	1.1E+00	1.6E-06	0.48	5.0E+00	1.4E-03	2.1E-03						
												Total	0.48			2.1E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Operational Risk

Receptor No.	Age Bin	DPM Conc. (µg/m^3)	Exposure Frequency (days)	Exposure Duration (years)	Inhalation Rate (L/kg-day)	Inhalation Absorption Factor	Averaging Time (years)	FAH	ASF	Cancer Risk				Non-Cancer Risk								
										URF	CPF	Dose	Risk (per million)	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	REPRO	EYES
1	-0.25 to 0	0.00024	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	8.3E-08	0.00	5.0E+00	1.4E-03	4.8E-05						
	0 to 2	0.00024	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	2.5E-07	0.06	5.0E+00	1.4E-03	4.8E-05						
	2 to 16	0.00024	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	1.3E-07	0.06	5.0E+00	1.4E-03	4.8E-05						
	16 to 30	0.00024	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	6.0E-08	0.01	5.0E+00	1.4E-03	4.8E-05						
												Total	0.14			1.9E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
2	-0.25 to 0	0.00130	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	4.5E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
	0 to 2	0.00130	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	1.4E-06	0.35	5.0E+00	1.4E-03	2.6E-04						
	2 to 16	0.00130	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	7.1E-07	0.32	5.0E+00	1.4E-03	2.6E-04						
	16 to 30	0.00130	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	3.3E-07	0.05	5.0E+00	1.4E-03	2.6E-04						
												Total	0.73			1.0E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
3	-0.25 to 0	0.00120	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	4.2E-07	0.01	5.0E+00	1.4E-03	2.4E-04						
	0 to 2	0.00120	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	1.3E-06	0.32	5.0E+00	1.4E-03	2.4E-04						
	2 to 16	0.00120	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	6.6E-07	0.30	5.0E+00	1.4E-03	2.4E-04						
	16 to 30	0.00120	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	3.0E-07	0.05	5.0E+00	1.4E-03	2.4E-04						
												Total	0.68			9.6E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
4 (MEISC)	4 to 13	0.00184	180	9.00	572	1	70	1.00	3	3.0E-04	1.1E+00	5.2E-07	0.21	5.0E+00	1.4E-03	3.7E-04						
												Total	0.21			3.7E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
5	-0.25 to 0	0.00214	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	7.4E-07	0.02	5.0E+00	1.4E-03	4.3E-04						
	0 to 2	0.00214	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	2.2E-06	0.57	5.0E+00	1.4E-03	4.3E-04						
	2 to 16	0.00214	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	1.2E-06	0.53	5.0E+00	1.4E-03	4.3E-04						
	16 to 30	0.00214	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	5.4E-07	0.08	5.0E+00	1.4E-03	4.3E-04						
												Total	1.21			1.7E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
6	-0.25 to 0	0.00391	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	1.4E-06	0.04	5.0E+00	1.4E-03	7.8E-04						
	0 to 2	0.00391	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	4.1E-06	1.04	5.0E+00	1.4E-03	7.8E-04						
	2 to 16	0.00391	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	2.1E-06	0.97	5.0E+00	1.4E-03	7.8E-04						
	16 to 30	0.00391	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	9.8E-07	0.15	5.0E+00	1.4E-03	7.8E-04						
												Total	2.21			3.1E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
7 (MEIR)	-0.25 to 0	0.00446	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	1.5E-06	0.05	5.0E+00	1.4E-03	8.9E-04						
	0 to 2	0.00446	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	4.7E-06	1.19	5.0E+00	1.4E-03	8.9E-04						
	2 to 16	0.00446	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	2.4E-06	1.11	5.0E+00	1.4E-03	8.9E-04						
	16 to 30	0.00446	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	1.1E-06	0.17	5.0E+00	1.4E-03	8.9E-04						
												Total	2.52			3.6E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
8	-0.25 to 0	0.00250	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	8.7E-07	0.03	5.0E+00	1.4E-03	5.0E-04						
	0 to 2	0.00250	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	2.6E-06	0.67	5.0E+00	1.4E-03	5.0E-04						
	2 to 16	0.00250	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	1.4E-06	0.62	5.0E+00	1.4E-03	5.0E-04						
	16 to 30	0.00250	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	6.3E-07	0.10	5.0E+00	1.4E-03	5.0E-04						
												Total	1.41			2.0E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
9	-0.25 to 0	0.00238	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	8.2E-07	0.03	5.0E+00	1.4E-03	4.8E-04						
	0 to 2	0.00238	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	2.5E-06	0.63	5.0E+00	1.4E-03	4.8E-04						
	2 to 16	0.00238	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	1.3E-06	0.59	5.0E+00	1.4E-03	4.8E-04						
	16 to 30	0.00238	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	6.0E-07	0.09	5.0E+00	1.4E-03	4.8E-04						
												Total	1.34			1.9E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
10 (MEIW)	16 to 41	0.00779	250	25	230	1	70	1.00	1	3.0E-04	1.1E+00	1.2E-06	0.46	5.0E+00	1.4E-03	1.6E-03						
												Total	0.46			1.6E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
ON1	-0.25 to 0	0.00103	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	3.6E-07	0.01	5.0E+00	1.4E-03	2.1E-04						
	0 to 2	0.00103	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	1.1E-06	0.27	5.0E+00	1.4E-03	2.1E-04						
	2 to 16	0.00103	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	5.6E-07	0.26	5.0E+00	1.4E-03	2.1E-04						
	16 to 30	0.00103	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	2.6E-07	0.04	5.0E+00	1.4E-03	2.1E-04						
												Total	0.58			8.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
ON2	-0.25 to 0	0.00154	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	5.3E-07	0.02	5.0E+00	1.4E-03	3.1E-04						
	0 to 2	0.00154	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	1.6E-06	0.41	5.0E+00	1.4E-03	3.1E-04						
	2 to 16	0.00154	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	8.4E-07	0.38	5.0E+00	1.4E-03	3.1E-04						
	16 to 30	0.00154	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	3.9E-07	0.06	5.0E+00	1.4E-03	3.1E-04						
												Total	0.87			1.2E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
ON3	-0.25 to 0	0.00154	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	5.3E-07	0.02	5.0E+00	1.4E-03	3.1E-04						
	0 to 2	0.00154	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	1.6E-06	0.41	5.0E+00	1.4E-03	3.1E-04						
	2 to 16	0.00154	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	8.4E-07	0.38	5.0E+00	1.4E-03	3.1E-04						
	16 to 30	0.00154	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	3.9E-07	0.06	5.0E+00	1.4E-03	3.1E-04						
												Total	0.87			1.2E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
ON4	-0.25 to 0	0.00294	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	1.0E-06	0.03	5.0E+00	1.4E-03	5.9E-04						
	0 to 2	0.00294	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	3.1E-06	0.78	5.0E+00	1.4E-03	5.9E-04						
	2 to 16	0.00294	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	1.6E-06	0.73	5.0E+00	1.4E-03	5.9E-04						
	16 to 30	0.00294	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	7.4E-07	0.11	5.0E+00	1.4E-03	5.9E-04						
												Total	1.66			2.4E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
ON5	-0.25 to 0	0.00330	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	1.1E-06	0.04	5.0E+00	1.4E-03	6.6E-04						
	0 to 2	0.00330	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	3.4E-06	0.88	5.0E+00	1.4E-03	6.6E-04						
	2 to 16	0.00330	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	1.8E-06	0.82	5.0E+00	1.4E-03	6.6E-04						
	16 to 30	0.00330	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	8.3E-07	0.13	5.0E+00	1.4E-03	6.6E-04						
												Total	1.86			2.6E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
ON6	-0.25 to 0	0.00366	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	1.3E-06	0.04	5.0E+00	1.4E-03	7.3E-04						
	0 to 2	0.00366	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	3.8E-06	0.98	5.0E+00	1.4E-03	7.3E-04						
	2 to 16	0.00366	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	2.0E-06	0.91	5.0E+00	1.4E-03	7.3E-04						
	16 to 30	0.00366	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	9.2E-07	0.14	5.0E+00	1.4E-03	7.3E-04						
												Total	2.07			2.9E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
ON7	-0.25 to 0	0.00423	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	1.5E-06	0.05	5.0E+00	1.4E-03	8.5E-04						
	0 to 2	0.00423	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	4.4E-06	1.13	5.0E+00	1.4E-03	8.5E-04						
	2 to 16	0.00423	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	2.3E-06	1.05	5.0E+00	1.4E-03	8.5E-04						
	16 to 30	0.00423	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	1.1E-06	0.16	5.0E+00	1.4E-03	8.5E-04						
												Total	2.39			3.4E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
ON8 (MEIR)	-0.25 to 0	0.01301	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	4.5E-06	0.14	5.0E+00	1.4E-03	2.6E-03						
	0 to 2	0.01301	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	1.4E-05	3.47	5.0E+00	1.4E-03	2.6E-03						
	2 to 16	0.01301	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	7.1E-06	3.24	5.0E+00	1.4E-03	2.6E-03						
	16 to 30	0.01301	350	14	261	1	70	0.73	1	3.0E-04	1.1E+00	3.3E-06	0.50	5.0E+00	1.4E-03	2.6E-03						
												Total	7.35			1.0E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Combined Construction and Operational Risk (Without Mitigation)

Receptor No.	Age Bin	DPM Conc. ($\mu g/m^3$)	Exposure Frequency (days)	Exposure Duration (years)	Inhalation Rate (L/kg-day)	Inhalation Absorption Factor	Averaging Time (years)	FAH	ASF	Cancer Risk				Non-Cancer Risk							
										URF	CPF	Dose	Risk (per million)	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	REPRO	EYES
1	-0.25 to 0	0.00071	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	1.8E-07	0.01	5.0E+00	1.4E-03	1.4E-04						
	0 to 2	0.00071	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	5.3E-07	0.16	5.0E+00	1.4E-03	1.4E-04						
	2 to 16	0.00071	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	2.8E-07	0.18	5.0E+00	1.4E-03	1.4E-04						
	16 to 30	0.00071	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	1.3E-07	0.01	5.0E+00	1.4E-03	1.4E-04						
	16 to 30	0.00024	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	6.0E-08	0.01	5.0E+00	1.4E-03	4.8E-05						
												Total	0.35			6.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
2	-0.25 to 0	0.00192	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	4.7E-07	0.02	5.0E+00	1.4E-03	3.8E-04						
	0 to 2	0.00192	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	1.4E-06	0.43	5.0E+00	1.4E-03	3.8E-04						
	2 to 16	0.00192	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	7.5E-07	0.47	5.0E+00	1.4E-03	3.8E-04						
	16 to 30	0.00192	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	3.4E-07	0.02	5.0E+00	1.4E-03	3.8E-04						
	16 to 30	0.00130	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	3.3E-07	0.04	5.0E+00	1.4E-03	2.6E-04						
												Total	0.98			1.8E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
3	-0.25 to 0	0.00131	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	3.2E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
	0 to 2	0.00131	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	9.8E-07	0.29	5.0E+00	1.4E-03	2.6E-04						
	2 to 16	0.00131	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	5.1E-07	0.32	5.0E+00	1.4E-03	2.6E-04						
	16 to 30	0.00131	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	2.3E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
	16 to 30	0.00120	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	3.0E-07	0.04	5.0E+00	1.4E-03	2.4E-04						
												Total	0.68			1.3E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
4	Because Project construction will last in excess of the 9-year school child exposure duration, combined construction and operational risk is not applicable to this receptor.																					
5	-0.25 to 0	0.00128	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	3.2E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
	0 to 2	0.00128	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	9.6E-07	0.29	5.0E+00	1.4E-03	2.6E-04						
	2 to 16	0.00128	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	5.0E-07	0.32	5.0E+00	1.4E-03	2.6E-04						
	16 to 30	0.00128	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	2.3E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
	16 to 30	0.00214	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	5.4E-07	0.06	5.0E+00	1.4E-03	4.3E-04						
												Total	0.69			1.5E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
6	-0.25 to 0	0.00185	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	4.6E-07	0.02	5.0E+00	1.4E-03	3.7E-04						
	0 to 2	0.00185	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	1.4E-06	0.41	5.0E+00	1.4E-03	3.7E-04						
	2 to 16	0.00185	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	7.2E-07	0.46	5.0E+00	1.4E-03	3.7E-04						
	16 to 30	0.00185	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	3.3E-07	0.02	5.0E+00	1.4E-03	3.7E-04						
	16 to 30	0.00391	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	9.8E-07	0.12	5.0E+00	1.4E-03	7.8E-04						
												Total	1.02			2.3E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
7 (MEIR)	-0.25 to 0	0.00187	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	4.6E-07	0.02	5.0E+00	1.4E-03	3.7E-04						
	0 to 2	0.00187	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	1.4E-06	0.42	5.0E+00	1.4E-03	3.7E-04						
	2 to 16	0.00187	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	7.3E-07	0.46	5.0E+00	1.4E-03	3.7E-04						
	16 to 30	0.00187	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	3.3E-07	0.02	5.0E+00	1.4E-03	3.7E-04						
	16 to 30	0.00446	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	1.1E-06	0.13	5.0E+00	1.4E-03	8.9E-04						
												Total	1.05			2.4E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
8	-0.25 to 0	0.00135	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	3.3E-07	0.01	5.0E+00	1.4E-03	2.7E-04						
	0 to 2	0.00135	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	1.0E-06	0.30	5.0E+00	1.4E-03	2.7E-04						
	2 to 16	0.00135	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	5.3E-07	0.33	5.0E+00	1.4E-03	2.7E-04						
	16 to 30	0.00135	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	2.4E-07	0.01	5.0E+00	1.4E-03	2.7E-04						
	16 to 30	0.00250	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	6.3E-07	0.07	5.0E+00	1.4E-03	5.0E-04						
												Total	0.73			1.6E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
9	-0.25 to 0	0.00131	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	3.2E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
	0 to 2	0.00131	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	9.8E-07	0.29	5.0E+00	1.4E-03	2.6E-04						
	2 to 16	0.00131	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	5.1E-07	0.32	5.0E+00	1.4E-03	2.6E-04						
	16 to 30	0.00131	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	2.3E-07	0.01	5.0E+00	1.4E-03	2.6E-04						
	16 to 30	0.00238	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	6.0E-07	0.07	5.0E+00	1.4E-03	4.8E-04						
												Total	0.71			1.5E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
10 (MEIW)	16 to 41	0.01101	250	19.52	230	1	70	1.00	1	3.0E-04	1.1E+00	1.7E-06	0.51	5.0E+00	1.4E-03	2.2E-03						
	16 to 41	0.00779	250	5.48	230	1	70	1.00	1	3.0E-04	1.1E+00	1.2E-06	0.10	5.0E+00	1.4E-03	1.6E-03						
												Total	0.61			3.8E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Combined Construction and Operational Risk (With Mitigation)

Receptor No.	Age Bin	DPM Conc. ($\mu g/m^3$)	Exposure Frequency (days)	Exposure Duration (years)	Inhalation Rate (L/kg-day)	Inhalation Absorption Factor	Averaging Time (years)	FAH	ASF	Cancer Risk				Non-Cancer Risk							
										URF	CPF	Dose	Risk (per million)	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	REPRO	EYES
1	-0.25 to 0	0.00020	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	4.9E-08	0.00	5.0E+00	1.4E-03	4.0E-05						
	0 to 2	0.00020	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	1.5E-07	0.04	5.0E+00	1.4E-03	4.0E-05						
	2 to 16	0.00020	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	7.8E-08	0.05	5.0E+00	1.4E-03	4.0E-05						
	16 to 30	0.00020	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	3.6E-08	0.00	5.0E+00	1.4E-03	4.0E-05						
	16 to 30	0.00024	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	6.0E-08	0.01	5.0E+00	1.4E-03	4.8E-05						
												Total	0.10			2.1E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
2	-0.25 to 0	0.00054	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	1.3E-07	0.01	5.0E+00	1.4E-03	1.1E-04						
	0 to 2	0.00054	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	4.0E-07	0.12	5.0E+00	1.4E-03	1.1E-04						
	2 to 16	0.00054	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	2.1E-07	0.13	5.0E+00	1.4E-03	1.1E-04						
	16 to 30	0.00054	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	9.7E-08	0.00	5.0E+00	1.4E-03	1.1E-04						
	16 to 30	0.00130	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	3.3E-07	0.04	5.0E+00	1.4E-03	2.6E-04						
												Total	0.30			6.9E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
3	-0.25 to 0	0.00037	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	9.1E-08	0.00	5.0E+00	1.4E-03	7.4E-05						
	0 to 2	0.00037	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	2.8E-07	0.08	5.0E+00	1.4E-03	7.4E-05						
	2 to 16	0.00037	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	1.4E-07	0.09	5.0E+00	1.4E-03	7.4E-05						
	16 to 30	0.00037	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	6.6E-08	0.00	5.0E+00	1.4E-03	7.4E-05						
	16 to 30	0.00120	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	3.0E-07	0.04	5.0E+00	1.4E-03	2.4E-04						
												Total	0.22			5.4E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
4	Because Project construction will last in excess of the 9-year school child exposure duration, combined construction and operational risk is not applicable to this receptor.																					
5	-0.25 to 0	0.00037	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	9.1E-08	0.00	5.0E+00	1.4E-03	7.4E-05						
	0 to 2	0.00037	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	2.8E-07	0.08	5.0E+00	1.4E-03	7.4E-05						
	2 to 16	0.00037	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	1.4E-07	0.09	5.0E+00	1.4E-03	7.4E-05						
	16 to 30	0.00037	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	6.6E-08	0.00	5.0E+00	1.4E-03	7.4E-05						
	16 to 30	0.00214	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	5.4E-07	0.06	5.0E+00	1.4E-03	4.3E-04						
												Total	0.24			7.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
6	-0.25 to 0	0.00053	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	1.3E-07	0.00	5.0E+00	1.4E-03	1.1E-04						
	0 to 2	0.00053	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	4.0E-07	0.12	5.0E+00	1.4E-03	1.1E-04						
	2 to 16	0.00053	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	2.1E-07	0.13	5.0E+00	1.4E-03	1.1E-04						
	16 to 30	0.00053	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	9.5E-08	0.00	5.0E+00	1.4E-03	1.1E-04						
	16 to 30	0.00391	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	9.8E-07	0.12	5.0E+00	1.4E-03	7.8E-04						
												Total	0.37			1.2E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
7 (MEIR)	-0.25 to 0	0.00054	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	1.3E-07	0.01	5.0E+00	1.4E-03	1.1E-04						
	0 to 2	0.00054	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	4.0E-07	0.12	5.0E+00	1.4E-03	1.1E-04						
	2 to 16	0.00054	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	2.1E-07	0.13	5.0E+00	1.4E-03	1.1E-04						
	16 to 30	0.00054	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	9.7E-08	0.00	5.0E+00	1.4E-03	1.1E-04						
	16 to 30	0.00446	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	1.1E-06	0.13	5.0E+00	1.4E-03	8.9E-04						
												Total	0.40			1.3E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
8	-0.25 to 0	0.00040	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	9.9E-08	0.00	5.0E+00	1.4E-03	8.0E-05						
	0 to 2	0.00040	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	3.0E-07	0.09	5.0E+00	1.4E-03	8.0E-05						
	2 to 16	0.00040	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	1.6E-07	0.10	5.0E+00	1.4E-03	8.0E-05						
	16 to 30	0.00040	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	7.2E-08	0.00	5.0E+00	1.4E-03	8.0E-05						
	16 to 30	0.00250	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	6.3E-07	0.07	5.0E+00	1.4E-03	5.0E-04						
												Total	0.27			8.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
9	-0.25 to 0	0.00065	250	0.25	361	1	70	1.00	10	3.0E-04	1.1E+00	1.6E-07	0.01	5.0E+00	1.4E-03	1.3E-04						
	0 to 2	0.00065	250	2	1090	1	70	1.00	10	3.0E-04	1.1E+00	4.9E-07	0.15	5.0E+00	1.4E-03	1.3E-04						
	2 to 16	0.00065	250	14	572	1	70	1.00	3	3.0E-04	1.1E+00	2.5E-07	0.16	5.0E+00	1.4E-03	1.3E-04						
	16 to 30	0.00065	250	3.27	261	1	70	1.00	1	3.0E-04	1.1E+00	1.2E-07	0.01	5.0E+00	1.4E-03	1.3E-04						
	16 to 30	0.00238	350	10.73	261	1	70	0.73	1	3.0E-04	1.1E+00	6.0E-07	0.07	5.0E+00	1.4E-03	4.8E-04						
												Total	0.39			1.0E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
10 (MEIW)	16 to 41	0.01031	250	19.52	230	1	70	1.00	1	3.0E-04	1.1E+00	1.6E-06	0.48	5.0E+00	1.4E-03	2.1E-03						
	16 to 41	0.00779	250	5.48	230	1	70	1.00	1	3.0E-04	1.1E+00	1.2E-06	0.10	5.0E+00	1.4E-03	1.6E-03						
												Total	0.58			3.6E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Operational Risk - Cancer Burden

Receptor No.	Age Bin	DPM Conc. ($\mu g/m^3$)	Exposure Frequency (days)	Exposure Duration (years)	Inhalation Rate (L/kg-day)	Inhalation Absorption Factor	Averaging Time (years)	FAH	ASF	Cancer Risk				Non-Cancer Risk								
										URF	CPF	Dose	Risk (per million)	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	REPRO	EYES
ON8 (MEIR)	-0.25 to 0	0.01301	350	0.25	361	1	70	0.85	10	3.0E-04	1.1E+00	4.5E-06	0.14	5.0E+00	1.4E-03	2.6E-03						
	0 to 2	0.01301	350	2	1090	1	70	0.85	10	3.0E-04	1.1E+00	1.4E-05	3.47	5.0E+00	1.4E-03	2.6E-03						
	2 to 16	0.01301	350	14	572	1	70	0.72	3	3.0E-04	1.1E+00	7.1E-06	3.24	5.0E+00	1.4E-03	2.6E-03						
	16 to 30	0.01301	350	53.75	261	1	70	0.73	1	3.0E-04	1.1E+00	3.3E-06	1.92	5.0E+00	1.4E-03	2.6E-03						
												Total	8.76			1.0E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

Cancer Burden Calculation

9.05	Area within 1 in one million risk (km2)
4,000	Population density (persons per km2)
8.76E-06	Cancer Risk (70 yr)
0.32	Cancer Burden

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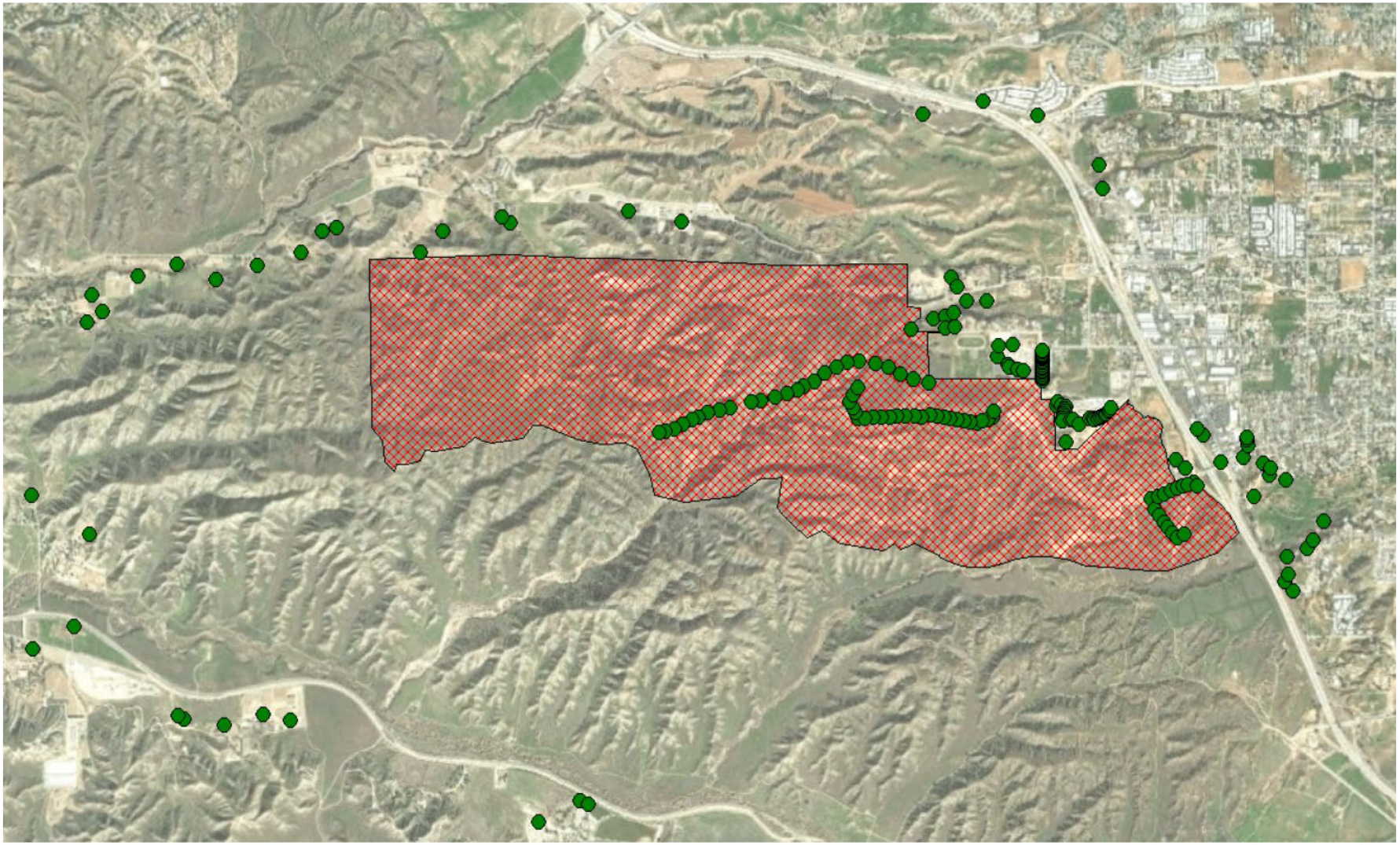
APPENDIX 2.5:

MODELED RECEPTORS



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