Majestic Freeway Business Center (Buildings 13, 14, 17 & 18) (PPT220008, PPT220015, PPT220009, PPT220003)

AIR QUALITY IMPACT ANALYSIS

COUNTY OF RIVERSIDE

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LIST OF ABBREVIATED TERMS

%	Percent
°F	Degrees Fahrenheit
(1)	Reference
µg/m^3	Microgram per Cubic Meter
1992 CO Plan	*1992 Federal Attainment Plan for Carbon Monoxide*
1993 CEQA Handbook	*SCAQMD's CEQA Air Quality Handbook (1993)*
2020-2045 RTP/SCS	*2020-2045 Regional Transportation Plan/Sustainable Communities Strategy*
AB 2595	California Clean Air Act
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BACT	Best Available Control Technology
BC	Black Carbon
Brief	*Brief of Amicus Curiae by the SCAQMD in the Friant Ranch Case*
C_2Cl_4	Perchloroethylene
C_4H_6	1,3-butadiene
C_6H_6	Benzene
C_2H_3Cl	Vinyl Chloride
C_2H_4O	Acetaldehyde
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CEQA Guidelines	*2019 CEQA Statute and Guidelines*
CH_2O	Formaldehyde
CO	Carbon Monoxide
COH	Coefficient of Haze
COHb	Carboxyhemoglobin

County	County of Riverside
Cr(VI)	Chromium
CTP	Clean Truck Program
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
EC	Elemental Carbon
EIR	Environmental Impact Report
EMFAC	Emissions FACtor Model
EPA	Environmental Protection Agency
ETW	Equivalent Test Weight
EV	Electric Vehicle
GHG	Greenhouse Gas
GVWR	Gross Vehicle Weight Rating
H_2S	Hydrogen Sulfide
HDT	Heavy-Duty Trucks
HHDT	Heavy-Heavy-Duty Trucks
HI	Hazard Index
hp	Horsepower
lbs	Pounds
lbs/day	Pounds Per Day
LDA	Light Duty Auto
LDT1/LDT2	Light-Duty Trucks
LHDT1/LHDT2	Light-Heavy-Duty Trucks
LST	Localized Significance Threshold
LST Methodology	*Final Localized Significance Threshold Methodology*
MATES	Multiple Air Toxics Exposure Study
MCY	Motorcycles
MDV	Medium-Duty Vehicles
MHDT	Medium-Heavy-Duty Trucks
MICR	Maximum Individual Cancer Risk
MM	Mitigation Measures
mph	Miles Per Hour
MWELO	California Department of Water Resources' Model Water Efficient
N_2	Nitrogen
N_2O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NO	Nitric Oxide

NO_2	Nitrogen Dioxide
NO_X	Nitrogen Oxides
O_2	Oxygen
O_3	Ozone
O_2 Deficiency	Chronic Hypoxemia
OBD-II	On-Board Diagnostic
ODC	Ozone Depleting Compounds
Pb	Lead
PM	Particulate Matter
PM_{10}	Particulate Matter 10 microns in diameter or less
$PM_{2.5}$	Particulate Matter 2.5 microns in diameter or less
POLA	Port of Los Angeles
POLB	Port of Long Beach
ppm	Parts Per Million
Project	Majestic Freeway Business Center (Buildings 13, 14, 17 & 18)
RECLAIM	Regional Clean Air Incentives Market
RFG-2	Reformulated Gasoline Regulation
ROG	Reactive Organic Gases
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
sf	Square Feet
SIPs	State Implementation Plans
SO_2	Sulfur Dioxide
SO_4	Sulfates
SO_X	Sulfur Oxides
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
Title 24	California Building Code
TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions
UFP	Ultrafine Particles
URBEMIS	URBan EMISsions
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
vph	Vehicles Per Hour

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this *Majestic Freeway Business Center (Buildings 13, 14, 17 & 18) Air Quality Impact Analysis* (AQIA) are summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the *California Environmental Quality Act (CEQA) Guidelines* (*CEQA Guidelines*) (1). Table ES-1 shows the findings of significance for each potential air quality impact under CEQA before and after any required mitigation measures (MM) described below.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Regional Construction Emissions	2.4	*Potentially Significant*	*Less Than Significant*
Localized Construction Emissions	2.7	*Less Than Significant*	*n/a*
Regional Operational Emissions	2.5	*Less Than Significant*	*n/a*
Localized Operational Emissions	2.7	*Less Than Significant*	*n/a*
CO "Hot Spot" Analysis	2.9	*Less Than Significant*	*n/a*
Air Quality Management Plan	2.10	*Potentially Significant*	*Less Than Significant*
Sensitive Receptors	2.11	*Less Than Significant*	*n/a*
Odors	2.12	*Less Than Significant*	*n/a*
Cumulative Impacts	2.13	*Potentially Significant*	*Less Than Significant*

ES.2 REGULATORY REQUIREMENTS

There are numerous requirements that development projects must comply with by law, and that were put in place by federal, State, and local regulatory agencies for the improvement of air quality.

Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or

other forms of property, or can cause excessive soiling on any other parcel shall conform to the requirements of the South Coast Air Quality Management District (SCAQMD).

SCAQMD RULES

SCAQMD Rules that are currently applicable during construction activity for this Project are described below.

SCAQMD RULE 402

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any such persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. The provisions of this rule do not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

Odor Emissions. All uses shall be operated in a manner such that no offensive odor is perceptible at or beyond the property line of that use.

SCAQMD RULE 403

This rule is intended to reduce the amount of particulate matter (PM) entrained in the ambient air as a result of anthropogenic (human-made) fugitive dust sources by requiring actions to prevent and reduce fugitive dust emissions. Rule 403 applies to any activity or human-made condition capable of generating fugitive dust and requires best available control measures to be applied to earth moving and grading activities. More specifically, Rule 403 would require watering disturbed surfaces three times per day during grading activities.

Dust Control, Operations. Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or other forms of property, or can cause excessive soiling on any other parcel, shall conform to the requirements of the SCAQMD.

SCAQMD RULE 1113

This rule serves to limit the Volatile Organic Compound (VOC) content of architectural coatings used on projects in the SCAQMD. Any person who supplies, sells, offers for sale, or manufactures any architectural coating for use on projects.

SCAQMD RULE 1301

This rule is intended to provide that pre-construction review requirements to ensure that new or relocated facilities do not interfere with progress in attainment of the National Ambient Air Quality Standards (NAAQS), while future economic growth within the SCAQMD is not unnecessarily restricted. The specific air quality goal is to achieve no net increases from new or modified permitted sources of nonattainment air contaminants or their precursors. Rule 1301 also limits emission increases of ammonia, and Ozone Depleting Compounds (ODCs) from new, modified or relocated facilities by requiring the use of Best Available Control Technology (BACT).

SCAQMD RULE 1401

A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any 1 hour that is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States (U.S.) Bureau of Mines.

SCAQMD RULE 2305

Owners and operators associated with warehouses 100,000 square feet (sf) or larger are required to directly reduce nitrogen oxides (NO_X) and particulate matter emissions, or to otherwise facilitate emission and exposure reductions of these pollutants in nearby communities.

Although the Project would comply with the above regulatory requirements, it should be noted that there is no way to quantify these reductions in the California Emissions Estimator Model (CalEEMod). The two most pertinent regulatory requirements that could be modeled, are Rule 403 (Fugitive Dust) (2) and Rule 1113 (Architectural Coatings) (3). Because they are required by law, credit for Rule 403 and Rule 1113 have been taken in the analysis.

ES.3 PROJECT MITIGATION MEASURES

ES.3.1 CONSTRUCTION-SOURCE MMS

Unmitigated Project construction-source VOC and NO_X emissions would exceed applicable SCAQMD regional significance thresholds. As such, the following mitigation measures are designed to reduce Project construction-source VOC and NO_X emissions. With implementation of these measures, construction-source VOC and NO_X emissions would not exceed the applicable SCAQMD regional significance thresholds, and a less than significant impact would be expected.

MM AQ-1

For MM AQ-1, the Project applicant has the option to select a compliance pathway via Option A or Option B as defined below.

Option A: During Project construction, all internal combustion engines/construction equipment operating on the Project site shall meet or exceed CARB-certified Tier 4 Final emissions standards.

Option B: Construction of Buildings 13, 14, 17, and 18 shall be phased such that grading activities for no more than two buildings occurs concurrently.

MM AQ-2

Option A: The Project shall be required to use paints, architectural coatings, and industrial maintenance coatings that have volatile organic compound levels of less than 10 g/L. All specifications, plans, and or details necessary to verify compliance shall be included in the Project's applicable construction drawings. Prior to issuance of a building permit, the City shall confirm that plans include the following specifications:

- To reduce VOC emissions associated with architectural coating, the Project designer and contractor shall reduce the use of paints and solvents by utilizing pre-coated materials (e.g., bathroom stall dividers, metal awnings), materials that do not require painting, and require coatings and solvents with a VOC content lower than required under Rule 1113 to be utilized. The construction contractor shall be required to utilize "Super-Compliant" VOC paints, which are defined in SCAQMD's Rule 1113. Construction specifications shall be included in building specifications that ensure these requirements are implemented. The specifications shall be reviewed by the City for compliance with this mitigation measure prior to issuance of the Project's building permit.
- Keep lids closed on all paint containers when not in use to prevent VOC emissions and excessive odors.
- For water-based paints, clean up with water only. Whenever possible, do not rinse the cleanup water down the drain or pour it directly into the ground or the storm drain. Set aside the can of cleanup water and take it to the hazardous waste center (www.cleanup.org).
- Use compliant low-VOC cleaning solvents to clean paint application equipment.
- Keep all paint- and solvent-laden rags in sealed containers to prevent VOC emissions.
- Use high-pressure/low-volume paint applicators with a minimum transfer efficiency of at least 50 percent or other application techniques with equivalent or higher transfer efficiency.

Option B: Construction of Buildings 13, 14, 17, and 18 shall be phased such that there is no overlap of the architectural coatings phase for each building.

ES.3.2 OPERATIONAL-SOURCE MMS

Unmitigated Project operational-source emissions would not exceed SCAQMD regional thresholds, thus implementation of operational mitigation measures is not required.

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1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed Majestic Freeway Business Center (Buildings 13, 14, 17 & 18) (Project). The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the Project and recommend measures to mitigate impacts considered potentially significant in comparison to thresholds established by the SCAQMD.

1.1 SITE LOCATION

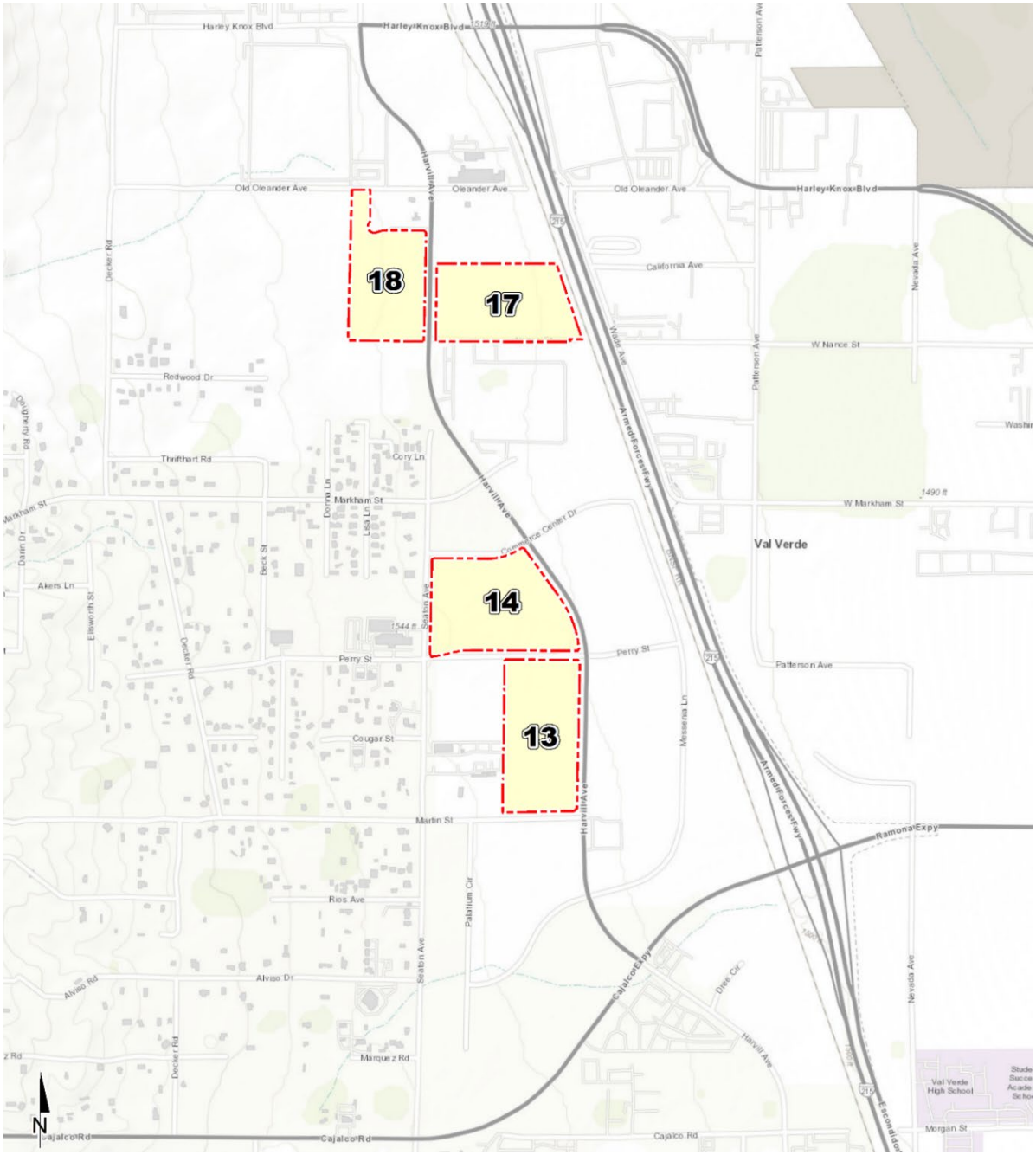
The proposed Project is located on Harvill Avenue north of Cajalco Expressway and south of Harley Knox Boulevard in the County of Riverside, as shown on Exhibit 1-A.

1.2 PROJECT DESCRIPTION

The Project includes four separate and independent but adjacent buildings within the Majestic Freeway Business Center (MFBC). The purpose of this assessment is to describe the potential combined air quality impacts for all four buildings since they are adjacent to one another and are expected to be entitled and constructed on similar timeframes. The Project development includes the following:

- MFBC Building 13 (PPT220008): one 322,997 square foot warehouse building
- MFBC Building 14A/14B (PPT220015): two warehouse buildings totaling 354,583 square feet
- MFBC Building 17 (PPT220009): one 268,955 square foot warehouse building
- MFBC Building 18 (PPT220003): one 333,648 square foot warehouse building

EXHIBIT 1-A: LOCATION MAP



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2 PROJECT AIR QUALITY IMPACT

2.1 INTRODUCTION

This study quantifies air quality emissions generated by construction and operation of the Project and addresses whether the Project conflicts with implementation of the SCAQMD's AQMP and Lead Agency planning regulations. The analysis of Project-generated air emissions determines whether the Project would result in a cumulatively considerable net increase of any criteria pollutant for which the SCAB is in non-attainment under an applicable NAAQS and CAAQS. Additionally, the Project has been evaluated to determine whether the Project would expose sensitive receptors to substantial pollutant concentrations and the impacts of odors. The significance of these potential impacts is described in the following sections.

2.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the *CEQA Guidelines* (14 CCR §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to air quality if it would (1):

- Conflict with or obstruct implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

The SCAQMD has also developed regional significance thresholds for other regulated pollutants, as summarized at Table 2-1 (4). The SCAQMD's *CEQA Air Quality Significance Thresholds* (April 2019) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 2-1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS

Pollutant	Regional Construction Threshold	Regional Operational Thresholds
NO_X	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM_{10}	150 lbs/day	150 lbs/day
$PM_{2.5}$	55 lbs/day	55 lbs/day
SO_X	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Pb	3 lbs/day	3 lbs/day

lbs/day = Pounds Per Day

2.3 MODELS EMPLOYED TO ANALYZE AIR QUALITY

2.3.1 CALEEMOD

Land uses such as the Project affect air quality through construction-source and operational-source emissions.

In May 2022 the California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts, including SCAQMD, released the latest version of CalEEMod version 2022.1. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (5). Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendices 4.1 through 4.3.

2.4 CONSTRUCTION EMISSIONS

2.4.1 CONSTRUCTION ACTIVITIES

Construction activities associated with the Project would result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Construction related emissions are expected from the following construction activities:

- Site Preparation
- Grading
- Building Construction
- Paving
- Architectural Coating

GRADING ACTIVITIES

Dust is typically a major concern during grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called “fugitive emissions”. Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from this phase of activity. The Project will require 308,895 cubic yards of cut and 176,251 cubic yards of fill for Building 13 and 14 grading and 139,272 cubic yards of cut and 302,032 cubic yards of fill for Building 17 and 18 grading, resulting in a total of 162,760 cubic yards of export.

ON-ROAD TRIPS

Construction generates on-road vehicle emissions from vehicle usage for workers and vendors commuting to and from the site. The number of workers and vendor trips are presented below in Table 2-2. It should be noted that for vendor trips, specifically, CalEEMod only assigns vendor trips to the Building Construction phase. Vendor trips would likely occur during all phases of

construction. As such, the CalEEMod defaults for vendor trips have been adjusted based on a ratio of the total vendor trips to the number of days of each subphase of activity.

TABLE 2-2: CONSTRUCTION TRIP ASSUMPTIONS

Building	Construction Activity	Worker Trips Per Day	Vendor Trips Per Day	Hauling Trips Per Day
13	Site Preparation	18	6	0
	Grading	20	6	429
	Building Construction	136	41	0
	Paving	15	0	0
	Architectural Coating	27	0	0
14	Site Preparation	18	7	0
	Grading	20	7	124
	Building Construction	149	45	0
	Paving	15	0	0
	Architectural Coating	30	0	0
17	Site Preparation	18	5	0
	Grading	20	5	646
	Building Construction	113	34	0
	Paving	15	0	0
	Architectural Coating	23	0	0
18	Site Preparation	18	7	0
	Grading	20	7	32
	Building Construction	140	43	0
	Paving	15	0	0
	Architectural Coating	28	0	0

2.4.2 CONSTRUCTION DURATION

For purposes of analysis, construction of Project is expected to commence in May 2024 and would last through December 2025. The construction schedule utilized in the analysis, shown in Table 2-3, represents a "worst-case" analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent[1]. As shown on Exhibit 2-A, it is assumed that complete overlap would occur for construction of Buildings 13 and 14 followed by complete overlap in construction of Buildings 17 and 18. The duration of

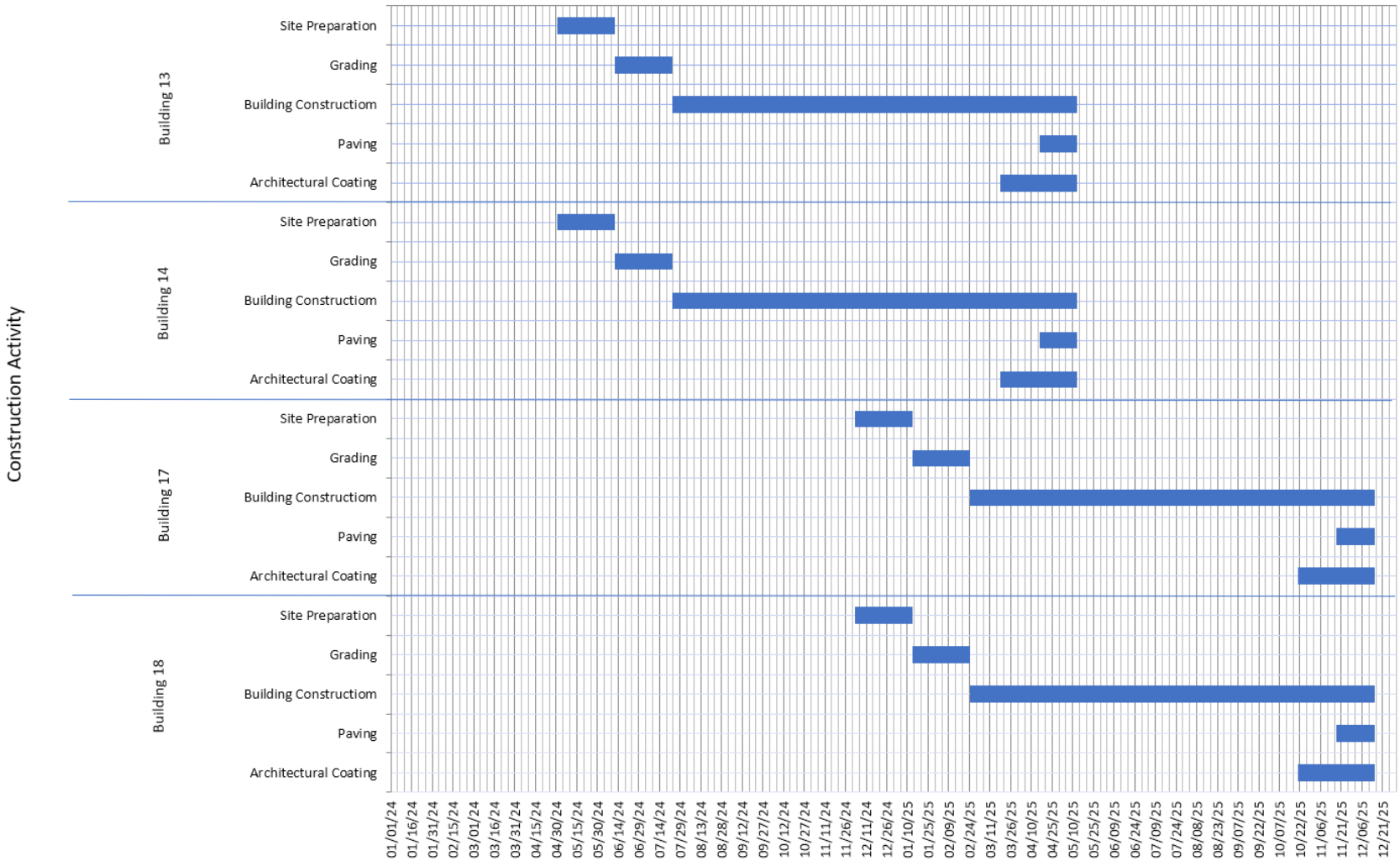
[1] As shown in the CalEEMod User's Guide Version 2022.1, Section 4.3 "Off-Road Equipment" as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (1).

TABLE 2-3: CONSTRUCTION DURATION

Building	Construction Activity	Start Date	End Date	Days
13	Site Preparation	05/01/2024	06/11/2024	30
	Grading	06/12/2024	07/23/2024	30
	Building Construction	07/24/2024	05/13/2025	210
	Paving	04/16/2025	05/13/2025	20
	Architectural Coating	03/19/2025	05/13/2025	40
14	Site Preparation	05/01/2024	06/11/2024	30
	Grading	06/12/2024	07/23/2024	30
	Building Construction	07/24/2024	05/13/2025	210
	Paving	04/16/2025	05/13/2025	20
	Architectural Coating	03/19/2025	05/13/2025	40
17	Site Preparation	12/03/2024	01/13/2025	30
	Grading	01/14/2025	02/24/2025	30
	Building Construction	02/25/2025	12/15/2025	210
	Paving	11/18/2025	12/15/2025	20
	Architectural Coating	10/21/2025	12/15/2025	40
18	Site Preparation	12/03/2024	01/13/2025	30
	Grading	01/14/2025	02/24/2025	30
	Building Construction	02/25/2025	12/15/2025	210
	Paving	11/18/2025	12/15/2025	20
	Architectural Coating	10/21/2025	12/15/2025	40

EXHIBIT 2-A: CONSTRUCTION PHASING



2.4.3 CONSTRUCTION EQUIPMENT

Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 2-4 would operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the County Code. In accordance with the County of Riverside Good Neighbor Policy for Logistics and Warehouse/Distribution uses, it was assumed that equipment rated 50 or less horsepower would meet at least CARB Tier 3 emissions standards, and equipment rated more than 50 horsepower would meet at least CARB Tier 4 Interim emissions standards.

TABLE 2-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Building	Construction Activity	Equipment[1]	Amount	Hours Per
13	Site Preparation	Rubber Tired Dozers	3	8
		Crawler Tractors	4	8
	Graders	Excavators	2	8
		Graders	1	8
		Rubber Tired Dozers	1	8
		Scrapers	2	8
		Crawler Tractors	2	8
	Building Construction	Cranes	2	8
		Forklifts	4	8
		Generator Sets	2	8
		Welders	2	8
		Crawler Tractors	4	8
	Paving	Pavers	2	8
		Paving Equipment	2	8
		Rollers	2	8
	Architectural Coating	Air Compressors	1	8
14	Site Preparation	Rubber Tired Dozers	3	8
		Crawler Tractors	4	8
	Grading	Excavators	2	8
		Graders	1	8
		Rubber Tired Dozers	1	8
		Scrapers	2	8
		Crawler Tractors	2	8
		Cranes	2	8

Building	Construction Activity	Equipment[1]	Amount	Hours Per
	Building Construction	Forklifts	4	8
		Generator Sets	2	8
		Welders	2	8
		Crawler Tractors	4	8
	Paving	Pavers	2	8
		Paving Equipment	2	8
		Rollers	2	8
	Architectural Coating	Air Compressors	1	8
17	Site Preparation	Rubber Tired Dozers	3	8
		Crawler Tractors	4	8
	Grading	Excavators	2	8
		Graders	1	8
		Rubber Tired Dozers	1	8
		Scrapers	2	8
		Crawler Tractors	2	8
	Building Construction	Cranes	2	8
		Forklifts	4	8
		Generator Sets	2	8
		Welders	2	8
		Crawler Tractors	4	8
	Paving	Pavers	2	8
		Paving Equipment	2	8
		Rollers	2	8
	Architectural Coating	Air Compressors	1	8
18	Site Preparation	Rubber Tired Dozers	3	8
		Crawler Tractors	4	8
	Grading	Excavators	2	8
		Graders	1	8
		Rubber Tired Dozers	1	8
		Scrapers	2	8
		Crawler Tractors	2	8
	Building Construction	Cranes	2	8
		Forklifts	4	8

Building	Construction Activity	Equipment[1]	Amount	Hours Per
		Generator Sets	2	8
		Welders	2	8
		Crawler Tractors	4	8
	Paving	Pavers	2	8
		Paving Equipment	2	8
		Rollers	2	8
	Architectural Coating	Air Compressors	1	8

[1] In order to account for fugitive dust emissions, Crawler Tractors were used in lieu of Tractors/Loaders/Backhoes during the site preparation and grading phases of Project construction.

2.4.4 CONSTRUCTION EMISSIONS SUMMARY

IMPACTS WITHOUT MITIGATION

The estimated maximum daily construction emissions without mitigation are summarized on Table 2-5. Detailed construction model outputs are presented in Appendix 2.1. Under the assumed scenarios, emissions resulting from the Project construction would exceed the thresholds established by the SCAQMD for emissions of VOC and NO_X.

TABLE 2-5: OVERALL CONSTRUCTION EMISSIONS SUMMARY – WITHOUT MITIGATION

Year	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
2024	2.95	84.3	86.40	0.38	17.66	6.93
2025	110.16	91.00	181.00	0.24	11.25	3.91
Winter						
2024	4.37	69.70	134.90	0.21	17.17	7.38
2025	200.20	139.70	176.50	0.56	27.84	10.30
Maximum Daily Emissions	**200.20**	**139.70**	**181.00**	**0.56**	**27.84**	**10.30**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**YES**	**YES**	**NO**	**NO**	**NO**	**NO**

Source: CalEEMod construction-source (unmitigated) emissions are presented in Appendix 4.1.

IMPACTS WITH MITIGATION

The estimated maximum daily construction emissions with implementation of MM AQ-1 Option A and MM AQ-2 Option A are presented in Table 2-6. With implementation of these measures, the Project would not exceed the thresholds established by the SCAQMD.

TABLE 2-6: OVERALL CONSTRUCTION EMISSIONS SUMMARY – WITH MITIGATION

Year	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
2024	2.48	53.30	86.40	0.38	17.56	6.81
2025	26.37	29.69	181.00	0.24	10.04	2.76
Winter						
2024	3.55	18.79	134.90	0.21	16.78	7.01
2025	42.97	79.90	176.50	0.56	27.18	9.66
Maximum Daily Emissions	**42.97**	**79.90**	**181.00**	**0.56**	**27.18**	**9.66**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Source: CalEEMod construction-source (mitigated) emissions are presented in Appendix 4.1.

2.5 OPERATIONAL EMISSIONS

Operational activities associated with the Project would result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Operational emissions are expected from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- On-Site Cargo Handling Equipment Emissions

2.5.1 AREA SOURCE EMISSIONS

ARCHITECTURAL COATINGS

Over a period of time the buildings that are part of this Project would require maintenance and would therefore produce emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings. The emissions associated with architectural coatings were calculated using CalEEMod.

CONSUMER PRODUCTS

Consumer products include, but are not limited to detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form ozone and other photochemically reactive pollutants. The emissions associated with use of consumer products were calculated based on defaults provided within CalEEMod.

LANDSCAPE MAINTENANCE EQUIPMENT

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shedders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. The emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod.

2.5.2 ENERGY SOURCE EMISSIONS

COMBUSTION EMISSIONS ASSOCIATED WITH NATURAL GAS AND ELECTRICITY

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity are generally excluded from the evaluation of significance and only natural gas use is considered. The emissions associated with natural gas use were calculated using CalEEMod.

2.5.3 MOBILE SOURCE EMISSIONS

The Project related operational air quality emissions derive primarily from vehicle trips generated by the Project, including employee trips to and from the site and truck trips associated with the proposed uses. Trip characteristics available from the *Majestic Freeway Business Center (Building 13) (PPT220008) Traffic Analysis* (6), *Majestic Freeway Business Center (Building 14) (PPT220015) Traffic Analysis* (7)*, Majestic Freeway Business Center (Building 17) (PPT220009) Traffic Analysis* (8)*,* and the *Majestic Freeway Business Center (Building 18) (PPT220003) Traffic Analysis* (9) were utilized in the analysis.

APPROACH FOR ANALYSIS OF THE PROJECT

In order to determine emissions from passenger car vehicles, CalEEMod defaults for trip length and trip purpose were utilized. Default vehicle trip lengths for primary trips will be populated using data from the local metropolitan planning organizations/Regional Transportation Planning Agencies (MPO/RTPA). Trip type percentages and trip lengths provided by MPO/RTPAs truncate data at their demonstrative borders.

For the proposed industrial uses, it is important to note that although the Project traffic studies for each building do not breakdown passenger cars by type, this analysis assumes that passenger cars include Light-Duty-Auto vehicles (LDA), Light-Duty-Trucks (LDT1[2] & LDT2[3]), Medium-Duty-Vehicles (MDV), and Motorcycles (MCY) vehicle types. In order to account for emissions generated by passenger cars, the fleet mix in Table 2-7 was utilized.

[2] Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

[3] Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

TABLE 2-7: PASSENGER CAR FLEET MIX

Building	Land Use	% Vehicle Type				
		LDA	LDT1	LDT2	MDV	MCY
13	High-Cube Short-Term Storage/Transload	53.97%	4.25%	21.88%	17.36%	2.55%
14	Warehouse	53.97%	4.25%	21.88%	17.36%	2.55%
17	High-Cube Short-Term Storage/Transload	53.97%	4.25%	21.88%	17.36%	2.55%
18	Warehouse	53.97%	4.25%	21.88%	17.36%	2.55%

Note: The Project-specific passenger car fleet mix used in this analysis is based on a proportional split utilizing the default CalEEMod percentages assigned to LDA, LDT1, LDT2, and MDV vehicle types.

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated SCAQMD recommended truck trip length 15.3 miles for 2-axle (LHDT1, LHDT2) trucks, 14.2 miles 3-axle (MHDT) trucks and 40 miles for 4+-axle (HHDT) trucks and weighting the average trip lengths using traffic trip percentages taken from the Project traffic studies for each building. The trip length function has been calculated to 30.09, 30.48, 30.66, and 30.35 miles for Buildings 13, 14, 17, and 18, respectively. Additionally, an assumption of 100% primary trips was used throughout. These trip length assumptions are higher than the CalEEMod defaults for trucks. In order to be consistent with the Project traffic studies, trucks are broken down by truck type. The truck fleet mix is estimated by rationing the trip rates for each truck type based on information provided in the traffic analysis for each building. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1[4] & LHDT2 [5])/2-axle, Medium-Heavy-Duty Trucks (MHDT)/3-axle, and Heavy-Heavy-Duty Trucks (HHDT)/4+-axle. To account for emissions generated by trucks, the following fleet mix was utilized in this analysis:

TABLE 2-8: TRUCK FLEET MIX

Building	Land Use	% Vehicle Type			
		LHDT1	LHDT2	MHDT	HHDT
13	High-Cube Short-Term Storage/Transload	12.98%	3.69%	22.22%	61.11%
14	Warehouse	13.10%	3.72%	20.56%	62.62%
17	High-Cube Short-Term Storage/Transload	12.98%	3.69%	20.00%	63.33%
18	Warehouse	12.63%	3.59%	21.62%	62.16%

Note: Project-specific truck fleet mix is based on the number of trips generated by each truck type (LHDT1, LHDT2, MHDT, and HHDT) relative to the total number of truck trips.

FUGITIVE DUST RELATED TO VEHICULAR TRAVEL

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of brake and tire wear particulates. The emissions estimate for travel on paved roads were calculated using CalEEMod.

[4] Vehicles under the LHDT1 category have a GVWR of 8,501 to 10,000 lbs.

[5] Vehicles under the LHDT2 category have a GVWR of 10,001 to 14,000 lbs.

2.5.4 ON-SITE CARGO HANDLING EQUIPMENT SOURCE EMISSIONS

It is common for industrial buildings to require the operation of exterior cargo handling equipment in the building's truck court areas. In accordance with the County of Riverside Good Neighbor Policy for Logistics and Warehouse/Distribution uses it is assumed that all on-site cargo handling equipment would be electrically powered.

2.5.5 OPERATIONAL EMISSIONS SUMMARY

As previously stated, CalEEMod utilizes summer and winter EMFAC2021 emission factors in order to derive vehicle emissions associated with Project operational activities, which vary by season. The estimated operational-source emissions are summarized on Table 2-9. Detailed operation model outputs for the Project are presented in Appendix 2.2. As shown on Table 2-9, the Project's daily regional emissions from on-going operations would not exceed the thresholds of significance for emissions of any criteria pollutant.

TABLE 2-9: SUMMARY OF PEAK OPERATIONAL EMISSIONS

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
Building 13	11.88	5.74	37.90	0.09	2.53	0.56
Building 14	13.16	14.93	42.70	0.17	4.03	1.02
Building 17	9.88	4.88	31.60	0.07	2.12	0.47
Building 18	12.23	5.95	39.10	0.09	2.61	0.59
Total Maximum Daily Emissions	**47.15**	**31.50**	**151.30**	**0.42**	**11.29**	**2.64**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**
Winter						
Building 13	9.48	5.94	19.70	0.08	2.51	0.54
Building 14	10.50	15.60	23.00	0.17	4.01	0.99
Building 17	7.90	5.06	16.40	0.07	2.10	0.45
Building 18	9.77	6.17	20.30	0.09	2.59	0.56
Total Maximum Daily Emissions	**37.65**	**32.77**	**79.40**	**0.41**	**11.21**	**2.54**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Source: CalEEMod operational-source emissions are presented in Appendix 2.2.

2.6 LOCALIZED SIGNIFICANCE

BACKGROUND ON LST DEVELOPMENT

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology). The SCAQMD has established that localized impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs).

The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4[6]. LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the *LST Methodology* (10).

APPLICABILITY OF LSTS FOR THE PROJECT

For this Project, the appropriate SRA for the LST analysis is Perris Valley (SRA 24). LSTs apply to CO, NO_2, PM_{10}, and $PM_{2.5}$. The SCAQMD produced look-up tables for projects less than or equal to 5 acres in size.

In order to determine the appropriate methodology for determining localized impacts that could occur as a result of Project-related construction, the following process is undertaken:

- Identify the maximum daily on-site emissions that would occur during construction activity:
    - The maximum daily on-site emissions could be based on information provided by the Project Applicant; or
    - The SCAQMD's *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds* and CalEEMod User's Guide *Appendix A: Calculation Details for CalEEMod* can be used to determine the maximum site acreage that is actively disturbed based on the construction equipment fleet and equipment hours as estimated in CalEEMod (11) (12).
- If the total acreage disturbed is less than or equal to 5 acres per day, then the SCAQMD's screening look-up tables are utilized to determine if a Project has the potential to result in a significant

[6] The purpose of SCAQMD's Environmental Justice program is to ensure that everyone has the right to equal protection from air pollution and fair access to the decision-making process that works to improve the quality of air within their communities. Further, the SCAQMD defines Environmental Justice as "…equitable environmental policymaking and enforcement to protect the health of all residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, from the health effects of air pollution."

impact. The look-up tables establish a maximum daily emissions threshold in lbs/day that can be compared to CalEEMod outputs.

- If the total acreage disturbed is greater than 5 acres per day, then LST impacts may still be conservatively evaluated using the LST look-up tables for a 5-acre disturbance area. Use of the 5-acre disturbance area thresholds can be used to show that even if the daily emissions from all construction activity were emitted within a 5-acre area, and therefore concentrated over a smaller area which would result in greater site adjacent concentrations, the impacts would still be less than significant if the applicable 5-acre thresholds are utilized.
- The *LST Methodology* presents mass emission rates for each SRA, project sizes of 1, 2, and 5 acres, and nearest receptor distances of 25, 50, 100, 200, and 500 meters. For project sizes between the values given, or with receptors at distances between the given receptors, the methodology uses linear interpolation to determine the thresholds.

Because the Project site is spread across four parcels with the potential for overlapping construction activities, the analysis conservatively utilized dispersion modeling rather than the SCAQMD lookup tables to evaluate potential localized impacts.

EMISSIONS CONSIDERED

Based on SCAQMD's *LST Methodology*, emissions for concern during construction activities are on-site NO_X, CO, $PM_{2.5}$, and PM_{10}. The *LST Methodology* clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs (13)." As such, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

MAXIMUM DAILY DISTURBED-ACREAGE

The "acres disturbed" for analytical purposes are based on specific equipment type for each subcategory of construction activity and the estimated maximum area a given piece of equipment can pass over in an 8-hour workday (as shown on Tables 2-10 and 2-11). The equipment-specific grading rates are summarized in the SCAQMD's *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds* and CalEEMod User's Guide *Appendix C: Emission Calculation Details for CalEEMod* (11) (14). It The disturbed area per day is representative of a piece of equipment making multiple passes over the same land area. In other words, one Rubber Tired Dozer can make multiple passes over the same land area totaling 0.5 acres in a given 8-hour day. As shown on Tables 2-10 and 2-11, the Project's construction activities could actively disturb approximately 7.0 acres per day during site preparation activities and 8.0 acres per day during grading activities, based on the assumption that site preparation and grading activities for Buildings 13 and 14 would overlap, and site preparation and grading activities for Buildings 17 and 18 would overlap.

TABLE 2-10: MAXIMUM DAILY DISTURBED-ACREAGE (BUILDINGS 13 AND 14)

Construction Activity	Equipment Type	Equipment Quantity	Acres graded per 8-hour day	Operating Hours per Day	Acres graded per day
Site Preparation	Crawler Tractors	4	0.5	8	2.0

Construction Activity	Equipment Type	Equipment Quantity	Acres graded per 8-hour day	Operating Hours per Day	Acres graded per day
(Building 13)	Rubber Tired Dozers	3	0.5	8	1.5
Site Preparation (Building 14)	Crawler Tractors	4	0.5	8	2.0
	Rubber Tired Dozers	3	0.5	8	1.5
Total acres disturbed per day during Site Preparation					7.0
Grading (Building 13)	Crawler Tractors	2	0.5	8	1.0
	Graders	1	0.5	8	0.5
	Rubber Tired Dozers	1	0.5	8	0.5
	Scrapers	2	1.0	8	2.0
Grading (Building 14)	Crawler Tractors	2	0.5	8	1.0
	Graders	1	0.5	8	0.5
	Rubber Tired Dozers	1	0.5	8	0.5
	Scrapers	2	1.0	8	2.0
Total acres disturbed per day during Grading					8.0

Source: Maximum daily disturbed acreage based on equipment list presented in Appendix 2.1.

TABLE 2-11: MAXIMUM DAILY DISTURBED-ACREAGE (BUILDINGS 17 AND 18)

Construction Activity	Equipment Type	Equipment Quantity	Acres graded per 8-hour day	Operating Hours per Day	Acres graded per day
Site Preparation (Building 17)	Crawler Tractors	4	0.5	8	2.0
	Rubber Tired Dozers	3	0.5	8	1.5
Site Preparation (Building 18)	Crawler Tractors	4	0.5	8	2.0
	Rubber Tired Dozers	3	0.5	8	1.5
Total acres disturbed per day during Site Preparation					7.0
Grading (Building 17)	Crawler Tractors	2	0.5	8	1.0
	Graders	1	0.5	8	0.5
	Rubber Tired Dozers	1	0.5	8	0.5
	Scrapers	2	1.0	8	2.0
Grading (Building 18)	Crawler Tractors	2	0.5	8	1.0
	Graders	1	0.5	8	0.5
	Rubber Tired Dozers	1	0.5	8	0.5
	Scrapers	2	1.0	8	2.0
Total acres disturbed per day during Grading					8.0

Source: Maximum daily disturbed acreage based on equipment list presented in Appendix 2.1.

DISPERSION MODELING

In order to estimate localized pollutant concentrations resulting from Project construction, the SCAQMD-approved American Meteorological Society/EPA Regulatory Model (AERMOD) dispersion model was utilized. The modeling approach utilized is discussed as follows:

SOURCES

It should be noted that in order to model worst-case conditions, the highest daily peak on-site emissions resulting from overlapping construction activity were modeled.

A ground level release height and a 1 meter (approximately 3.28 feet) initial vertical dimension (sigma z) were utilized for fugitive dust emissions of PM_{10} and $PM_{2.5}$ consistent with SCAQMD's LST guidance.

In order to account for equipment exhaust emissions from NO_2, CO, PM_{10}, and $PM_{2.5}$ a release height of 5.0 meters was utilized consistent with SCAQMD's LST guidance.

METEOROLOGICAL DATA AND MODEL OPTIONS

In order to account for meteorological conditions at the Project site, meteorological data from the SCAQMD's Perris monitoring station was utilized, as this is the nearest station to the Project site for which meteorological data is available. Additionally, a receptor height of 2 meters and regulatory default options were utilized consistent with SCAQMD's LST guidance.

RECEPTORS

As previously stated, LSTs represent the maximum emissions from a project that would not cause or contribute to an exceedance of the most stringent applicable NAAQS and CAAQS at the nearest residence or sensitive receptor. Receptor locations are off-site locations where individuals may be exposed to emissions from Project activities.

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, and individuals with pre-existing respiratory or cardiovascular illness. Structures that house these persons or places where they gather are defined as "sensitive receptors". These structures typically include uses such as residences, hotels, and hospitals where an individual can remain for 24 hours. Consistent with the LST Methodology, the nearest land use where an individual could remain for 24 hours to the Project site has been used to determine construction and operational air quality impacts for emissions of PM_{10} and $PM_{2.5}$, since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time.

Per the *LST Methodology*, commercial and industrial facilities are not included in the definition of sensitive receptor because employees and patrons do not typically remain onsite for a full 24 hours but are typically onsite for 8 hours or less. However, *LST Methodology* explicitly states that "*LSTs based on shorter averaging periods, such as the NO_2 and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours* (13)." Therefore, any adjacent land use where an individual could remain for 1 or 8-hours, that is located at a closer distance to

the Project site than the receptor used for PM_{10} and $PM_{2.5}$ analysis, must be considered to determine construction and operational LST air impacts for emissions of NO_2 and CO since these pollutants have an averaging time of 1 and 8-hours.

STUDY AREA RECEPTORS

Receptors in the Project study area are described below and shown on Exhibit 2-B. Localized air quality impacts were evaluated at sensitive receptor land uses nearest the Project site. All distances are measured from the Project site boundary to the outdoor living areas (e.g., backyards) or at the building façade, whichever is closer to the Project site.

R1: Location R1 represents the existing residence at 22980 Peregrine Way. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R1 is placed at the building façade.

R2: Location R2 represents the existing residence at 22710 Redwood Drive. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R2 is placed at the building façade.

R3: Location R3 represents the existing residence at 22721 Redwood Drive. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R3 is placed at the building façade.

R4: Location R4 represents the existing residence at 18412 Donna Lane. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R4 is placed at the building façade.

R5: Location R5 represents the existing residence at 22948 Markham Street. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R5 is placed at the building façade.

R6: Location R6 represents the existing residence at 18412 Donna Lane. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R6 is placed at the building façade.

R7: Location R7 represents the existing residence at 18100 California 395. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R7 is placed at the building façade.

R8: Location R8 represents the existing residence at 22990 Markham Street. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R8 is placed at the building façade.

R9: Location R9 represents the existing residence at 22971 Markham Street. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R9 is placed at the building façade.

R10: Location R10 represents the existing residence at 18605 Seaton Avenue. Since there are

no private outdoor living areas (backyards) facing the Project site, receptor R10 is placed at the building façade.

R11: Location R11 represents the existing residence at 18605 Seaton Avenue. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R11 is placed at the building façade.

R12: Location R12 represents the existing residence at 22970 Cougar Street. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R12 is placed at the building façade.

R13: Location R13 represents the existing residence at 22985 Martin Street. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R13 is placed at the building façade.

R14: Location R14 represents the Iglesio Cristiana Templo Clavrio at 1275 W. Markham Street.

R15: Location R16 represents the potential worker receptor at 22950 Peregrine Way.

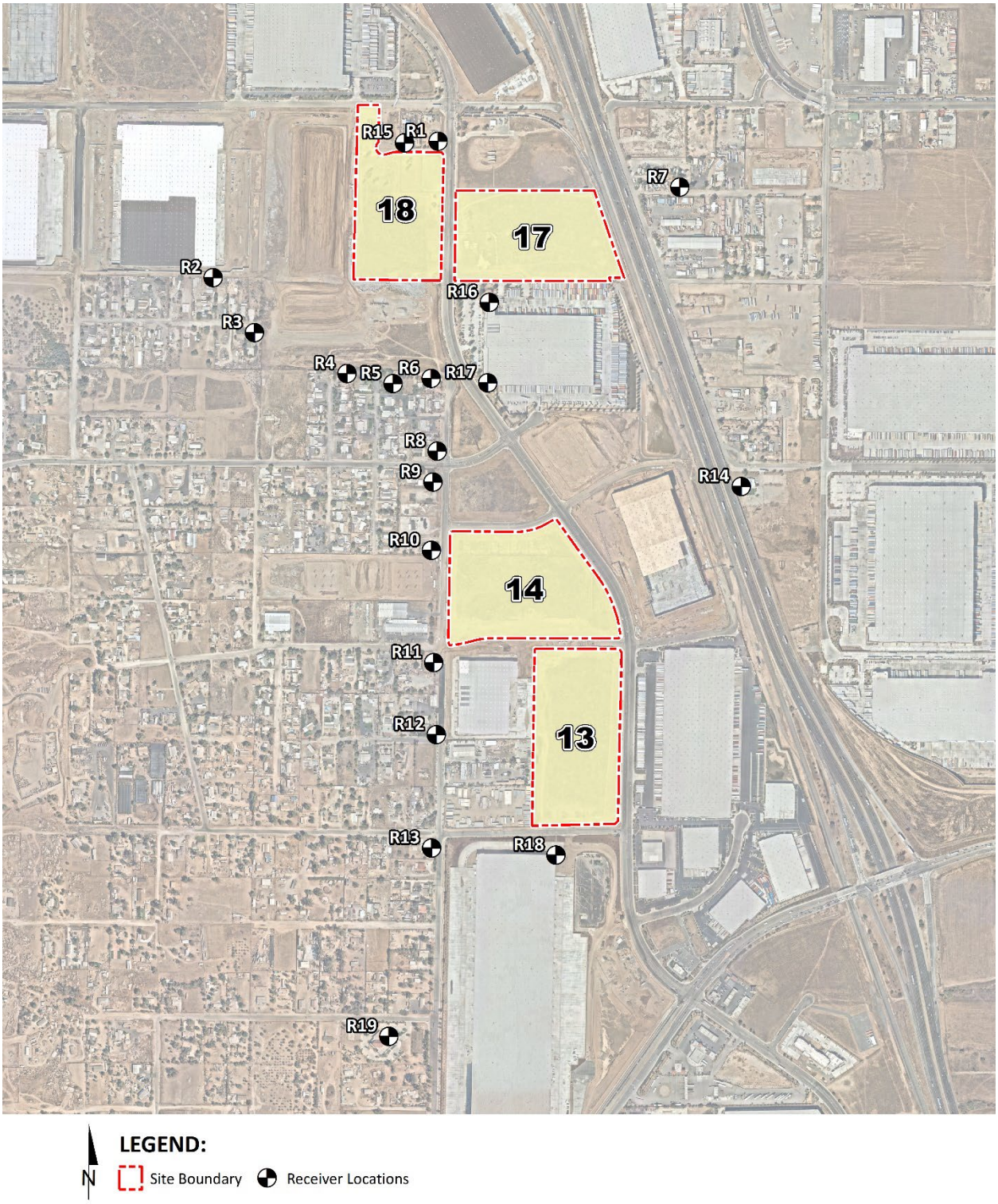
R16: Location R17 represents the Exel Worksite facility located at 18310 Harvill Avenue.

R17: Location R17 represents the Exel Worksite facility located at 18310 Harvill Avenue.

R18: Location R18 represents the Freeway Business Center facility located at 19115 Harvill Avenue.

R19: Location R19 represents the Perris Spanish Seventh Day Adventist Church located at 22905 Alviso Drive.

EXHIBIT 2-B: RECEPTOR LOCATIONS



CONSTRUCTION-SOURCE LOCALIZED EMISSIONS

Emissions during the peak construction activity will not exceed the SCAQMD's localized significance thresholds at the maximally exposed receptor location, as illustrated on Table 2-12. All other modeled locations in the study area would experience a lesser concentration and consequently a lesser impact. The values presented below represent the worst-case pollutant concentrations at nearby sensitive receptors, as these values do not take into account the implementation of Project mitigation measures and conservatively assume worst-case complete overlap of the highest-emitting construction activities on each parcel. As such, the Project's localized impacts during construction activity would be less than significant. Outputs from the model runs for construction LSTs are provided in Appendix 2.4.

TABLE 2-12: LOCALIZED SIGNIFICANCE SUMMARY PEAK CONSTRUCTION – WITHOUT MITIGATION

Peak Construction	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.08	0.04	2.58E-02	3.86	1.86
Background Concentration [A]	1.6	0.8	0.044		
Total Concentration	**1.68**	**0.84**	**0.07**	**3.86**	**1.86**
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	10.4
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**

[A] Highest concentration from the last three years of available data.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in $\mu g/m^3$. All others are expressed in ppm.

OPERATIONAL-SOURCE LOCALIZED EMISSIONS

The LST analysis generally includes on-site sources (area, energy, mobile, and on-site cargo handling equipment – are previously discussed in Section 2.5 of this report). However, it should be noted that the CalEEMod outputs do not separate on-site and off-site emissions from mobile sources. As such, to establish a maximum potential impact scenario for analytic purposes, the modeled emissions include all on-site Project-related stationary (area) sources and on-site Project-related mobile emissions. In order to account for on-site mobile emissions, a trip length of 0.7 miles was utilized for both trucks and passenger cars.

Emissions during peak operational activity will not exceed the SCAQMD's localized significance thresholds at the maximally impacted receptor location, as illustrated on Table 2-13. All other modeled locations in the study area would experience a lesser concentration and consequently a lesser impact. As such, the Project's localized impacts during operational activity would be less than significant. Outputs from the model runs for operational LSTs are provided in Appendix 2.4.

TABLE 2-13: LOCALIZED SIGNIFICANCE SUMMARY PEAK OPERATIONS

Peak Construction	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	1.88E-02	1.18E-02	1.07E-03	0.07	0.03
Background Concentration [A]	1.6	0.8	0.044		
Total Concentration	**1.62**	**0.81**	**0.05**	**0.07**	**0.03**
SCAQMD Localized Significance Threshold	20	9	0.18	2.5	2.5
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**

[A] Highest concentration from the last three years of available data.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in $\mu g/m^3$. All others are expressed in ppm.

2.7 CO "HOT SPOT" ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or "hot spots." Further, detailed modeling of Project-specific CO "hot spots" is not needed to reach this conclusion. An adverse CO concentration, known as a "hot spot", would occur if an exceedance of the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm were to occur.

It has long been recognized that CO hotspots are caused by vehicular emissions, primarily when idling at congested intersections. In response, vehicle emissions standards have become increasingly stringent in the last twenty years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentration in the SCAB is now designated as attainment.

To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO "hot spot" analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. This "hot spot" analysis did not predict any violation of CO standards, as shown on Table 2-14.

TABLE 2-14: CO MODEL RESULTS

Intersection Location	CO Concentrations (ppm)		
	Morning 1-hour	Afternoon 1-hour	8-hour
Wilshire Boulevard/Veteran Avenue	4.6	3.5	3.7
Sunset Boulevard/Highland Avenue	4	4.5	3.5
La Cienega Boulevard/Century Boulevard	3.7	3.1	5.2
Long Beach Boulevard/Imperial Highway	3	3.1	8.4

Source: 2003 AQMP, Appendix V: Modeling and Attainment Demonstrations
Notes: Federal 1-hour standard is 35 ppm and the deferral 8-hour standard is 9.0 ppm.

Based on the SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (*1992 CO Plan*), peak carbon monoxide concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of traffic volumes and congestion at a particular intersection. As evidence of this, for example, 8.4 ppm 8-hr CO concentration measured at the Long Beach Blvd. and Imperial Hwy. intersection (highest CO generating intersection within the "hot spot" analysis), only 0.7 ppm was attributable to the traffic volumes and congestion at this intersection; the remaining 7.7 ppm were due to the ambient air measurements at the time the 2003 AQMP was prepared (15). In contrast, an adverse CO concentration, known as a "hot spot", would occur if an exceedance of the state one-hour standard of 20 parts per million (ppm) or the eight-hour standard of 9 ppm were to occur.

The ambient 1-hr and 8-hr CO concentration within the Project study area is estimated to be 0.9 ppm and 0.7 ppm, respectively (data from Elsinore Valley station for 2020). Therefore, even if the traffic volumes for the proposed Project were double or even triple of the traffic volumes generated at the Long Beach Blvd. and Imperial Hwy. intersection, coupled with the on-going improvements in ambient air quality, the Project would not be capable of resulting in a CO "hot spot" at any study area intersections.

Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD) concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour (vph)—or 24,000 vph where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (16). Traffic volumes generating the CO concentrations for the "hot spot" analysis is shown on Table 2-15. The busiest intersection evaluated was that at Wilshire Boulevard and Veteran Avenue, which has a daily traffic volume of approximately 100,000 vph and AM/PM traffic volumes of 8,062 vph and 7,719 vph respectively (15). The *2003 AQMP* estimated that the 1-hour concentration for this intersection was 4.6 ppm; this indicates that, should the daily traffic volume increase four times to 400,000 vehicles per day, CO concentrations (4.6 ppm x 4= 18.4 ppm) would still not likely exceed the most stringent 1-hour CO standard (20.0 ppm)[7].

TABLE 2-15: TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Eastbound (AM/PM)	Westbound (AM/PM)	Southbound (AM/PM)	Northbound (AM/PM)	Total (AM/PM)
Wilshire Boulevard/Veteran Avenue	4,954/2,069	1,830/3,317	721/1,400	560/933	8,062/7,719
Sunset Boulevard/Highland Avenue	1,417/1,764	1,342/1,540	2,304/1,832	1,551/2,238	6,614/5,374
La Cienega Boulevard/Century Boulevard	2,540/2,243	1,890/2,728	1,384/2,029	821/1,674	6,634/8,674
Long Beach Boulevard/Imperial Highway	1,217/2,020	1,760/1,400	479/944	756/1,150	4,212/5,514

[7] Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm)

Source: 2003 AQMP

As summarized on Table 2-16 below, the intersection of Interstate 215 (I-215) Northbound (NB) Ramps and Ramona Expressway would have the highest AM and PM traffic volumes of 6,411 vph and 7,334 vph, respectively. As such, total traffic volumes at the intersections considered are less than the traffic volumes identified in the *2003 AQMP*. As such, the Project considered herein along with background and cumulative development would not produce the volume of traffic required to generate a CO "hot spot" either in the context of the 2003 Los Angeles hot spot study or based on representative BAAQMD CO threshold considerations. Therefore, CO "hot spots" are not an environmental impact of concern for the Project. Localized air quality impacts related to mobile-source emissions would therefore be less than significant.

TABLE 2-16: PEAK HOUR TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Northbound (AM/PM)	Southbound (AM/PM)	Eastbound (AM/PM)	Westbound (AM/PM)	Total (AM/PM)
I-215 NB Ramps/ Harley Knox Boulevard	314/299	0/0	1,552/1,390	1,803/1,812	3,668/3,501
Harvill Avenue/Cajalco Expressway	1,000/1,178	688/1,373	1,169/1,602	2,423/1,657	5,280/5,809
I-215 SB Ramps/Ramona Expressway	0/0	2,234/2,240	1,155/2,428	2,191/1,882	5,581/6,550
I-215 NB Ramps/Ramona Expressway	1,488/1,041	0/0	2,245/3,422	2,678/2,871	6,411/7,334

SB = Southbound

2.8 AQMP

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the SCAG, county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

The draft 2022 AQMP has been prepared by SCAQMD to continue to evaluate current integrated strategies and control measures to meet the NAAQS, particularly the EPA's strengthened ozone standard. These approaches include the use of incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (17). Similar to the 2016 AQMP, the 2022 AQMP incorporates scientific and technological information and planning assumptions, including the 2020-2045

Regional Transportation Plan/Sustainable Communities Strategy (2020-2045 RTP/SCS), a planning document that supports the integration of land use and transportation to help the region meet the federal CAA requirements (18). The Project's consistency with the AQMP will be determined using the 2022 AQMP as discussed below.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the *1993 CEQA Handbook* (19). These indicators are discussed below:

2.8.1 CONSISTENCY CRITERION NO. 1

The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

The violations that Consistency Criterion No. 1 refer to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded.

Construction Impacts – Consistency Criterion 1

Consistency Criterion No. 1 refers to violations of the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if localized or regional significance thresholds were exceeded. As evaluated, the Project's localized construction-source emissions would not exceed the applicable LST thresholds. Additionally, with implementation of mitigation measures MM AQ-1 and MM AQ-2, the Project's and regional construction-source emissions would not exceed the applicable regional significance thresholds. As such, a less than significant impact is expected.

Operational Impacts – Consistency Criterion 1

As evaluated, the Project's localized and regional operation-source emissions would not exceed applicable regional significance threshold and LST thresholds. As such, a less than significant impact is expected.

On the basis of the preceding discussion, the Project is determined to be consistent with the first criterion.

2.8.2 CONSISTENCY CRITERION NO. 2

The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

The *2022 AQMP* demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the SCAG, which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in County of Riverside General Plan is considered to be consistent with the AQMP***.***

Construction Impacts – Consistency Criterion 2

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities. As such, when considering that no emissions thresholds will be exceeded with implementation of mitigation measures MM AQ-1 and MM AQ-2, a less than significant impact would result.

Operational Impacts – Consistency Criterion 2

The Project site is located within an unincorporated portion of the County of Riverside. As per the General Plan, the unincorporated portions of the County are divided into 19 area plans. These area plans provide more detailed land use and policy direction regarding local issues such as land use, circulation, open space, and other topical areas (20). Per the General Plan, the Project site is located within the Mead Valley Area Plan and is designated for Light Industrial uses. The General Plan states that the Light Industrial land use designation is intended for industrial and related uses including warehousing/distribution, assembly and light manufacturing, repair facilities, and supporting retail uses at an allowable Floor Area Ratio (FAR) of 0.25-0.60 (20).

As previously stated, the Project is proposed to consist of the development of a 322,997-sf high-cube short-term storage/transload warehouse building use. As such, the Project's proposed uses are generally consistent with the site's land use and zoning designations.

On the basis of the preceding discussion, the Project is determined to be consistent with the second criterion.

AQMP CONSISTENCY CONCLUSION

The Project would not result in or cause NAAQS or CAAQS violations. Although the Project would not be consistent with the site land use and zoning designations, construction and operational-source impacts would not exceed the applicable SCAQMD regional and localized thresholds. As such, the Project is therefore considered to be consistent with the AQMP.

2.9 TOXIC AIR CONTAMINANTS

CONSTRUCTION AND OPERATIONAL

Based on the results of the *Majestic Freeway Business Center (Buildings 13, 14, 17 & 18) (PPT220008) Health Risk Assessment* (21), emissions generated from the Project during short-term construction and long-term operation will not exceed SCAQMD significance thresholds for cancer and non-cancer health risks. As such, a less than significant impact is expected.

2.10 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Results of the LST analysis indicate that the Project would not exceed the SCAQMD localized significance thresholds during construction. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during Project construction.

Additionally, the Project would not exceed the SCAQMD localized significance thresholds during operational activity. Further Project traffic would not create or result in a CO "hotspot." Lastly, the Project will not exceed SCAQMD significance thresholds for cancer and non-cancer health risks during construction and operational activity. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations as the result of Project operations.

2.10.1 FRIANT RANCH CASE

In December 2018, in the case of *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502, the California Supreme Court held that an Environmental Impact Report's (EIR) air quality analysis must meaningfully connect the identified air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided.

Most local agencies, including the County of Riverside, lack the data to do their own assessment of potential health impacts from criteria air pollutant emissions, as would be required to establish customized, locally-specific thresholds of significance based on potential health impacts from an individual development project. The use of national or "generic" data to fill the gap of missing local data would not yield accurate results because such data does not capture local air patterns, local background conditions, or local population characteristics, all of which play a role in how a population experiences air pollution. Because it is impracticable to accurately isolate the exact cause of a human disease (for example, the role a particular air pollutant plays compared to the role of other allergens and genetics in causing asthma), existing scientific tools cannot accurately estimate health impacts of the Project's air emissions without undue speculation. Instead, readers are directed to the Project's air quality impact analysis above, which provides extensive information concerning the quantifiable and non-quantifiable health risks related to the Project's construction and long-term operation.

Notwithstanding, this AQIA does evaluate the proposed Project's localized impact to air quality for emissions of CO, NO_X, PM_{10}, and $PM_{2.5}$ by comparing the proposed project's on-site emissions to the SCAQMD's applicable LST thresholds. The LST analysis above determined that the Project would not result in emissions exceeding SCAQMD's LSTs. Therefore, the proposed Project would not be expected to exceed the most stringent applicable federal or state ambient air quality standards for emissions of CO, NO_X, PM_{10}, and $PM_{2.5}$.

As the Project's emissions would comply with federal, state, and local air quality standards, the proposed Project's emissions are not sufficiently high enough to use a regional modeling program to correlate health effects on a basin-wide level and would not provide a reliable indicator of health effects if modeled.

2.11 ODORS

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants

- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills
- Dairies
- Fiberglass molding facilities

The Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with current solid waste regulations. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors and other emissions (such as those leading to odors) associated with construction and operations activities of the proposed Project would be less than significant and no mitigation is required (22).

2.12 CUMULATIVE IMPACTS

As previously shown in Table 2-3, the CAAQS designate the Project site as nonattainment for O_3 PM_{10}, and $PM_{2.5}$ while the NAAQS designates the Project site as nonattainment for O_3 and $PM_{2.5}$.

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* (23). In this report the SCAQMD clearly states (Page D-3):

> *"…the SCAQMD 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 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."*

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD's recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which SCAB is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Alternatively, individual project-related construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable.

CONSTRUCTION IMPACTS

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that with implementation of MM AQ-1 and MM AQ-2 proposed Project construction-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, proposed Project construction-source emissions would be considered less than significant on a Project-specific and cumulative basis.

OPERATIONAL IMPACTS

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that proposed Project operation-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, proposed Project operation-source emissions would be considered less than significant on a project-specific and cumulative basis.

COUNTY OF RIVERSIDE GOOD NEIGHBOR POLICY

The County of Riverside adopted the Good Neighbor Policy for Logistics and Warehouse/Distribution Uses (Policy Number F-3) on November 19, 2019. (24) The goal of this policy is to provide a framework through which large-scale logistics and warehouse projects can be designed and operated in a way that lessens any impacts on surrounding communities and the environment. The policy applies to logistics warehouse projects that include any building larger than 250,000 square feet in size with more than 20 loading bays. As such, the policy would be applicable to the Project.

Specifically, Table 2-17 identifies the following relevant guidelines that have been reviewed for consistency:

TABLE 2-17: GOOD NEIGHBOR POLICY RELEVANT GUIDELINES

Measure		Project Consistency
1.1	An "Air Quality" study shall be prepared in accordance with the Air Quality Management District (AQMD) guidelines which includes both project specific and cumulative impact analysis.	The analysis presented here conforms with applicable analytic guidelines and requirements. The analysis substantiates that all potential air quality impacts, including potential health risk impacts would be less-than-significant.
1.2	A "Health Risk Assessment" shall be prepared when a proposed warehouse/distribution facility is located within 1,000 feet of a sensitive receptor, in accordance with AQMD guidelines.	A health risk assessment has been prepared for the proposed Project in accordance with SCAQMD guidelines and is presented under a separate cover.
2.1	During construction of the warehouse/distribution facility, all heavy-duty haul trucks accessing the site shall have CARB-Compliant 2010 engines or newer approved CARB engine standards.	All heavy-duty haul trucks accessing the Project site during construction will be in compliance with the CARB Truck and Bus regulation, which requires that heavy duty trucks utilize CARB-Compliant 2010 or newer engines by January 1, 2023.
2.2	All diesel fueled off-road construction equipment greater than 50 horsepower, including but not limited to excavators, graders, rubber-tired dozers, and similar "off-road" construction equipment shall be equipped with CARB Tier 4 Compliant engines. If the operator lacks Tier 4 equipment, and it is not available for lease or short-term rental within 50 miles of the project site, Tier 3 or cleaner off-road construction equipment may be utilized subject to County approval.	All diesel-fueled off-road construction equipment rated greater than 50 horsepower will meet CARB Tier 4 standards.
2.3	The maximum daily disturbance area (actively graded area) shall not exceed 10 acres per day. Non-Grading construction activity in areas greater than 10 acres is allowed.	The maximum daily disturbance area will not exceed 10 acres per day during site preparation and grading. It is anticipated that no more than 4.0 acres would be graded per day.
2.7	Appropriate dust control measures that meet the SCAQMD standards shall be implemented for grading and construction activity.	The Project would comply with all applicable dust control measures, including SCAQMD Rules 401, 402, and 403.
2.8	Construction equipment maintenance records and data sheets, which includes equipment design specifications and equipment emission control tier classifications, as well as any other records necessary to verify compliance, shall be kept onsite and furnished to the County upon request.	The Project will maintain records on-site during construction to demonstrate compliance with the above requirements.
2.9	Construction Contractors shall prohibit truck drivers from idling more than five (5) minutes and require operators to turn off engines when not in use, in compliance with the California Air Resources Board regulations.	The Project would be required to comply with statewide anti-idling rules. Compliance with anti-idling rules diminishes the potential for localized emissions concentrations and reduces potential adverse effects at sensitive receptors.

Measure		Project Consistency
3.1	Warehouse/distribution facilities should be generally designed so that truck bays and loading docks are a minimum of 300 feet, measured from the property line of the sensitive receptor to the nearest dock door using a direct straight-line method. This distance may be reduced if the site design includes berms or other similar features to appropriately shield and buffer the sensitive receptors from the active truck operations areas. Other setbacks appropriate to the site's zoning classification shall be incorporated in the design.	As designed, the proposed Project's loading docks would not be located within 300 feet of any nearby sensitive receptors.
3.2	Warehouse/distribution facilities shall be designed to provide adequate on-site parking for commercial trucks and passenger vehicles and on-site queuing for trucks that is away from sensitive receptors. The general queuing and spill-over of trucks onto surrounding public streets shall be prevented. Commercial trucks shall not be parked in the public road right-of-way or nearby residential areas.	The site has been designed such that trucks would not need to queue on streets or elsewhere outside the proposed industrial building they serve. The Project design as approved by the County would act to limit on-site queuing, diminishing the potential for localized emissions concentrations and reduces potential adverse effects at sensitive receptors.
3.11	Warehouse/distribution facilities shall install electrical panels and conduit to facilitate future electrical connections, to eliminate idling of main and auxiliary engines during the loading and unloading process. At all cold storage facilities electrical connections shall be provided to each dock.	Loading docks would be wired for electrical hook-ups, allowing future users to seamlessly integrate electric charging for trucks, when such technology becomes readily available.
4.1	Facility operators shall maintain records of their facility owned and operated fleet equipment and ensure that all diesel-fueled Medium-Heavy Duty Trucks ("MHDT") and Heavy-Heavy Duty ("HHD") trucks with a gross vehicle weight rating greater than 19,500 pounds accessing the site use year CARB compliant 2010 or newer engines. The records should be maintained on-site and be made available for inspection by the County.	The proposed Project will comply with the CARB Truck and Bus regulation, which requires the use of CARB compliant 2010 or newer engines.
4.2	Facility operators shall prohibit truck drivers from idling more than five (5) minutes and require operators to turn off engines when not in use, in compliance with the California Air Resources Board regulations.	The Project would be required to comply with statewide anti-idling rules. Compliance with anti-idling rules diminishes the potential for localized emissions concentrations and reduces potential adverse effects at sensitive receptors.
4.4	Facility operators shall coordinate with CARB and SCAQMD to obtain the latest information about regional air quality concentrations, health risks, and trucking regulations.	The operator of the proposed facility will be required to remain in compliance with applicable air quality, health risk, and trucking regulations.

Measure		Project Consistency
4.5	On-site equipment, such as forklifts, shall be electric with the necessary electrical charging stations provided.	All on-site equipment utilized for the operation of the proposed Project will be electrically powered and charging stations will be provided on-site.
4.6	Facility operators shall establish specific truck routes between the facility and regular destinations, identifying the most direct routes to the nearest highway/freeway and avoid traveling near sensitive receptors.	The operator of the proposed facility will be required to provide this information to drivers accessing the facility.
4.9	A minimum of 5% or as required by the Cal Green Code, whichever is greater of employee parking spaces shall be designated for electric or other alternative fueled vehicles.	As designed, the proposed Project would meet or exceed California Green Building code requirements and provide parking spaces designated for EV charging at a minimum of 5% of the total auto parking stalls.
5.5	Each Facility shall designate a Compliance Officer responsible for implementing the measures described herein and/or in the project conditions of approval and mitigation measures. Contact information should be provided to the County and updated annually, and signs should be posted in visible locations providing the contact information for the Compliance Officer to the surrounding community. These signs shall also identify the website and contact information for the SCAQMD.	A designated Compliance Officer will be appointed for the facility to ensure compliance with these and other applicable requirements and contact information will be provided to the County on an annual basis. Signs will be posted in order to identify the Compliance Officer's contact information, as well as contact information for the SCAQMD.

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4 CERTIFICATIONS

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Majestic Freeway Business Center (Buildings 13, 14, 17 & 18). The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com

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EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

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 – CARB • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 2.1:

CALEEMOD CONSTRUCTION EMISSIONS MODEL OUTPUTS

MFBC Building 13 (Construction) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 13 (Construction)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.8463645366747, -117.25831888936246
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	323	1000sqft	11.2	322,997	162,890	0.00	—	—
Parking Lot	311	Space	1.88	0.00	0.00	0.00	—	—

Other Asphalt Surfaces	199	1000sqft	4.57	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	2.24	51.5	54.2	52.9	0.26	0.83	10.8	11.6	0.82	3.24	4.06	—	37,235	37,235	0.84	4.93	65.2	38,792
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.58	50.2	20.1	38.0	0.06	0.39	2.48	2.87	0.37	0.60	0.96	—	8,153	8,153	0.32	0.31	0.31	8,254
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.71	5.76	11.8	17.8	0.04	0.17	2.04	2.21	0.17	0.65	0.82	—	5,976	5,976	0.18	0.51	3.90	6,135
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.13	1.05	2.15	3.24	0.01	0.03	0.37	0.40	0.03	0.12	0.15	—	989	989	0.03	0.08	0.65	1,016

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.24	1.46	54.2	46.1	0.26	0.83	10.8	11.6	0.82	3.24	4.06	—	37,235	37,235	0.84	4.93	65.2	38,792
2025	2.07	51.5	27.2	52.9	0.07	0.54	2.68	3.22	0.51	0.64	1.16	—	10,060	10,060	0.39	0.33	12.8	10,181
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.47	1.38	18.7	35.8	0.05	0.30	2.13	2.43	0.28	0.51	0.80	—	7,681	7,681	0.30	0.30	0.29	7,777
2025	1.58	50.2	20.1	38.0	0.06	0.39	2.48	2.87	0.37	0.60	0.96	—	8,153	8,153	0.32	0.31	0.31	8,254
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.71	0.62	11.8	17.8	0.04	0.17	2.04	2.21	0.17	0.65	0.82	—	5,976	5,976	0.18	0.51	3.90	6,135
2025	0.40	5.76	5.40	10.2	0.02	0.10	0.60	0.70	0.09	0.14	0.24	—	2,142	2,142	0.08	0.08	1.28	2,169
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.13	0.11	2.15	3.24	0.01	0.03	0.37	0.40	0.03	0.12	0.15	—	989	989	0.03	0.08	0.65	1,016
2025	0.07	1.05	0.99	1.87	< 0.005	0.02	0.11	0.13	0.02	0.03	0.04	—	355	355	0.01	0.01	0.21	359

3. Construction Emissions Details

3.1. Site Preparation (2024) - 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	0.68	0.68	15.7	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,529	5,529	0.22	0.04	—	5,548

Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.29	2.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	454	454	0.02	< 0.005	—	456
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.24	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	75.2	75.2	< 0.005	< 0.005	—	75.5
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.50	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	259	259	0.01	0.01	1.03	263
Vendor	0.01	0.01	0.21	0.07	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	186	186	< 0.005	0.03	0.52	195
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	19.8	19.8	< 0.005	< 0.005	0.04	20.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	0.02	16.0
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.28	3.28	< 0.005	< 0.005	0.01	3.33
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.54	2.54	< 0.005	< 0.005	< 0.005	2.65
Hauling	0.00	0.00	0.00	0.00	0.00	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 (2024) - 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	0.88	0.88	20.0	36.2	0.06	0.26	—	0.26	0.25	—	0.25	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.72	2.72	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.07	0.07	1.64	2.97	0.01	0.02	—	0.02	0.02	—	0.02	—	552	552	0.02	< 0.005	—	554
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.30	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.4	91.4	< 0.005	< 0.005	—	91.7
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.67	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	288	288	0.01	0.01	1.14	292
Vendor	0.01	0.01	0.21	0.07	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	186	186	< 0.005	0.03	0.52	195
Hauling	1.24	0.47	34.0	8.18	0.20	0.57	2.08	2.65	0.57	0.76	1.32	—	30,046	30,046	0.55	4.84	63.6	31,567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	22.0	22.0	< 0.005	< 0.005	0.04	22.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	0.02	16.0

Hauling	0.10	0.04	2.93	0.68	0.02	0.05	0.17	0.22	0.05	0.06	0.11	—	2,470	2,470	0.05	0.40	2.25	2,592
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.65	3.65	< 0.005	< 0.005	0.01	3.70
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.54	2.54	< 0.005	< 0.005	< 0.005	2.65
Hauling	0.02	0.01	0.53	0.12	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	409	409	0.01	0.07	0.37	429

3.5. Building Construction (2024) - 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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.22	0.22	5.16	8.44	0.01	0.09	—	0.09	0.08	—	0.08	—	1,452	1,452	0.06	0.01	—	1,457
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.94	1.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	240	240	0.01	< 0.005	—	241
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.76	0.70	0.66	11.4	0.00	0.00	0.11	0.11	0.00	0.00	0.00	—	1,957	1,957	0.08	0.07	7.77	1,987
Vendor	0.06	0.04	1.44	0.45	0.01	0.02	0.07	0.09	0.02	0.03	0.05	—	1,273	1,273	0.03	0.19	3.59	1,334
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.73	0.66	0.77	8.58	0.00	0.00	0.11	0.11	0.00	0.00	0.00	—	1,799	1,799	0.09	0.07	0.20	1,821
Vendor	0.05	0.04	1.51	0.46	0.01	0.02	0.07	0.09	0.02	0.03	0.05	—	1,274	1,274	0.03	0.19	0.09	1,332
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.23	0.21	0.24	2.85	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	574	574	0.03	0.02	1.06	582
Vendor	0.02	0.01	0.48	0.14	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	401	401	0.01	0.06	0.49	420
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.52	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	95.0	95.0	< 0.005	< 0.005	0.18	96.4
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	66.4	66.4	< 0.005	0.01	0.08	69.5
Hauling	0.00	0.00	0.00	0.00	0.00	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 (2025) - 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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.18	0.18	4.26	6.98	0.01	0.07	—	0.07	0.07	—	0.07	—	1,199	1,199	0.05	0.01	—	1,203
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.78	1.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	199	199	0.01	< 0.005	—	199
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.61	0.60	10.5	0.00	0.00	0.11	0.11	0.00	0.00	0.00	—	1,917	1,917	0.08	0.07	7.04	1,946
Vendor	0.06	0.03	1.38	0.43	0.01	0.02	0.07	0.09	0.02	0.03	0.05	—	1,254	1,254	0.03	0.19	3.56	1,315
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.64	0.57	0.66	7.94	0.00	0.00	0.11	0.11	0.00	0.00	0.00	—	1,762	1,762	0.08	0.07	0.18	1,784
Vendor	0.05	0.03	1.44	0.44	0.01	0.02	0.07	0.09	0.02	0.03	0.05	—	1,255	1,255	0.03	0.19	0.09	1,313
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.15	0.19	2.18	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	464	464	0.02	0.02	0.79	471
Vendor	0.01	0.01	0.37	0.11	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	327	327	0.01	0.05	0.40	342
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.40	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	76.9	76.9	< 0.005	< 0.005	0.13	78.0
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	54.1	54.1	< 0.005	0.01	0.07	56.6
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

3.9. Paving (2025) - 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	0.29	0.29	7.24	10.6	0.01	0.16	—	0.16	0.15	—	0.15	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
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	< 0.005	< 0.005	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
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	0.08	0.07	0.07	1.16	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	211	211	0.01	0.01	0.78	215
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	10.8	10.8	< 0.005	< 0.005	0.02	10.9
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.79	1.79	< 0.005	< 0.005	< 0.005	1.81
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

3.11. Architectural Coating (2025) - 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	0.07	0.07	1.45	1.28	< 0.005	0.09	—	0.09	0.08	—	0.08	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	48.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	1.45	1.28	< 0.005	0.09	—	0.09	0.08	—	0.08	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	48.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.5	19.5	< 0.005	< 0.005	—	19.6

Architect Coatings	—	5.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.23	3.23	< 0.005	< 0.005	—	3.24
Architectural Coatings	—	0.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.12	0.12	2.09	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	381	381	0.02	0.01	1.40	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.13	1.58	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	350	350	0.02	0.01	0.04	354
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	0.02	0.18	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	38.8	38.8	< 0.005	< 0.005	0.07	39.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.43	6.43	< 0.005	< 0.005	0.01	6.52

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	5/1/2024	6/11/2024	5.00	30.0	—
Grading	Grading	6/12/2024	7/23/2024	5.00	30.0	—
Building Construction	Building Construction	7/24/2024	5/13/2025	5.00	210	—
Paving	Paving	4/16/2025	5/13/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	3/19/2025	5/13/2025	5.00	40.0	—

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	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 3	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Interim	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	4.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	2.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Tier 3	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Interim	2.00	8.00	87.0	0.43
Building Construction	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43

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	18.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	6.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT

Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	6.00	10.2	HHDT,MHDT
Grading	Hauling	429	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	136	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	41.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	27.0	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	0.00	0.00	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	0.00	0.00	484,496	161,499	16,853

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	105	0.00	—
Grading	0.00	102,901	120	0.00	—
Paving	0.00	0.00	0.00	0.00	6.45

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
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	1.88	100%
Other Asphalt Surfaces	4.57	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005

2025	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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth

Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8

Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422

Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392
Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8
Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7

Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—
2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 17.61 acres
Construction: Construction Phases	Construction anticipated to begin May 2024 and end May 2025

Construction: Off-Road Equipment	Equipment based on equipment used for construction of other industrial projects in the area
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113

MFBC Building 13 Construction with Mitigation Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 13 Construction with Mitigation
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.8463645366747, -117.25831888936246
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	323	1000sqft	11.2	322,997	162,890	0.00	—	—
Parking Lot	311	Space	1.88	0.00	0.00	0.00	—	—

Other Asphalt Surfaces	199	1000sqft	4.57	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	2.01	11.7	38.7	52.9	0.26	0.70	10.8	11.5	0.70	3.24	3.94	—	37,235	37,235	0.84	4.93	65.2	38,792
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.30	10.6	7.06	38.0	0.06	0.10	2.48	2.59	0.10	0.60	0.70	—	8,153	8,153	0.32	0.31	0.31	8,254
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.60	1.38	5.54	17.8	0.04	0.10	2.04	2.14	0.10	0.65	0.75	—	5,976	5,976	0.18	0.51	3.90	6,135
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.11	0.25	1.01	3.24	0.01	0.02	0.37	0.39	0.02	0.12	0.14	—	989	989	0.03	0.08	0.65	1,016

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.01	1.23	38.7	46.1	0.26	0.70	10.8	11.5	0.70	3.24	3.94	—	37,235	37,235	0.84	4.93	65.2	38,792
2025	1.65	11.7	8.92	52.9	0.07	0.13	2.68	2.81	0.13	0.64	0.77	—	10,060	10,060	0.39	0.33	12.8	10,181
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.22	1.13	6.25	35.8	0.05	0.10	2.13	2.23	0.10	0.51	0.61	—	7,681	7,681	0.30	0.30	0.29	7,777
2025	1.30	10.6	7.06	38.0	0.06	0.10	2.48	2.59	0.10	0.60	0.70	—	8,153	8,153	0.32	0.31	0.31	8,254
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.60	0.51	5.54	17.8	0.04	0.10	2.04	2.14	0.10	0.65	0.75	—	5,976	5,976	0.18	0.51	3.90	6,135
2025	0.33	1.38	1.81	10.2	0.02	0.03	0.60	0.63	0.03	0.14	0.17	—	2,142	2,142	0.08	0.08	1.28	2,169
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.11	0.09	1.01	3.24	0.01	0.02	0.37	0.39	0.02	0.12	0.14	—	989	989	0.03	0.08	0.65	1,016
2025	0.06	0.25	0.33	1.87	< 0.005	0.01	0.11	0.11	0.01	0.03	0.03	—	355	355	0.01	0.01	0.21	359

3. Construction Emissions Details

3.1. Site Preparation (2024) - 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	0.52	0.52	2.71	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,529	5,529	0.22	0.04	—	5,548

Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.22	2.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	454	454	0.02	< 0.005	—	456
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.04	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	75.2	75.2	< 0.005	< 0.005	—	75.5
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.50	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	259	259	0.01	0.01	1.03	263
Vendor	0.01	0.01	0.21	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	186	186	< 0.005	0.03	0.52	195
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	0.04	20.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	0.02	16.0
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.28	3.28	< 0.005	< 0.005	0.01	3.33
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.54	2.54	< 0.005	< 0.005	< 0.005	2.65
Hauling	0.00	0.00	0.00	0.00	0.00	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 (2024) - 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	0.65	0.65	4.48	36.2	0.06	0.13	—	0.13	0.13	—	0.13	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.72	2.72	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.05	0.05	0.37	2.97	0.01	0.01	—	0.01	0.01	—	0.01	—	552	552	0.02	< 0.005	—	554
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.4	91.4	< 0.005	< 0.005	—	91.7
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.67	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	288	288	0.01	0.01	1.14	292
Vendor	0.01	0.01	0.21	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	186	186	< 0.005	0.03	0.52	195
Hauling	1.24	0.47	34.0	8.18	0.20	0.57	7.76	8.33	0.57	2.18	2.75	—	30,046	30,046	0.55	4.84	63.6	31,567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.0	22.0	< 0.005	< 0.005	0.04	22.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	0.02	16.0

Hauling	0.10	0.04	2.93	0.68	0.02	0.05	0.64	0.68	0.05	0.18	0.22	—	2,470	2,470	0.05	0.40	2.25	2,592
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.65	3.65	< 0.005	< 0.005	0.01	3.70
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.54	2.54	< 0.005	< 0.005	< 0.005	2.65
Hauling	0.02	0.01	0.53	0.12	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	409	409	0.01	0.07	0.37	429

3.5. Building Construction (2024) - 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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.14	0.14	1.25	8.44	0.01	0.03	—	0.03	0.03	—	0.03	—	1,452	1,452	0.06	0.01	—	1,457
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.23	1.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	240	240	0.01	< 0.005	—	241
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.76	0.70	0.66	11.4	0.00	0.00	1.78	1.78	0.00	0.42	0.42	—	1,957	1,957	0.08	0.07	7.77	1,987
Vendor	0.06	0.04	1.44	0.45	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	1,273	1,273	0.03	0.19	3.59	1,334
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.73	0.66	0.77	8.58	0.00	0.00	1.78	1.78	0.00	0.42	0.42	—	1,799	1,799	0.09	0.07	0.20	1,821
Vendor	0.05	0.04	1.51	0.46	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	1,274	1,274	0.03	0.19	0.09	1,332
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.23	0.21	0.24	2.85	0.00	0.00	0.56	0.56	0.00	0.13	0.13	—	574	574	0.03	0.02	1.06	582
Vendor	0.02	0.01	0.48	0.14	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	401	401	0.01	0.06	0.49	420
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.52	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	95.0	95.0	< 0.005	< 0.005	0.18	96.4
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.4	66.4	< 0.005	0.01	0.08	69.5
Hauling	0.00	0.00	0.00	0.00	0.00	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 (2025) - 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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.12	1.03	6.98	0.01	0.02	—	0.02	0.02	—	0.02	—	1,199	1,199	0.05	0.01	—	1,203
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.19	1.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	199	199	0.01	< 0.005	—	199
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.61	0.60	10.5	0.00	0.00	1.78	1.78	0.00	0.42	0.42	—	1,917	1,917	0.08	0.07	7.04	1,946
Vendor	0.06	0.03	1.38	0.43	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	1,254	1,254	0.03	0.19	3.56	1,315
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.64	0.57	0.66	7.94	0.00	0.00	1.78	1.78	0.00	0.42	0.42	—	1,762	1,762	0.08	0.07	0.18	1,784
Vendor	0.05	0.03	1.44	0.44	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	1,255	1,255	0.03	0.19	0.09	1,313
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.15	0.19	2.18	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	464	464	0.02	0.02	0.79	471
Vendor	0.01	0.01	0.37	0.11	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	327	327	0.01	0.05	0.40	342
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.40	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	76.9	76.9	< 0.005	< 0.005	0.13	78.0
Vendor	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	54.1	54.1	< 0.005	0.01	0.07	56.6
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

3.9. Paving (2025) - 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	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.01	0.01	0.11	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	82.8	82.8	< 0.005	< 0.005	—	83.1
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	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
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	0.08	0.07	0.07	1.16	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	211	211	0.01	0.01	0.78	215
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	0.02	10.9
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.79	1.79	< 0.005	< 0.005	< 0.005	1.81
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

3.11. Architectural Coating (2025) - 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	0.03	0.03	0.86	1.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.86	1.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	9.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.09	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.5	19.5	< 0.005	< 0.005	—	19.6

Architect Coatings	—	1.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.23	3.23	< 0.005	< 0.005	—	3.24
Architectural Coatings	—	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.12	0.12	2.09	0.00	0.00	0.35	0.35	0.00	0.08	0.08	—	381	381	0.02	0.01	1.40	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.13	1.58	0.00	0.00	0.35	0.35	0.00	0.08	0.08	—	350	350	0.02	0.01	0.04	354
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	0.02	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.8	38.8	< 0.005	< 0.005	0.07	39.4
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.43	6.43	< 0.005	< 0.005	0.01	6.52

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	5/1/2024	6/11/2024	5.00	30.0	—
Grading	Grading	6/12/2024	7/23/2024	5.00	30.0	—
Building Construction	Building Construction	7/24/2024	5/13/2025	5.00	210	—
Paving	Paving	4/16/2025	5/13/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	3/19/2025	5/13/2025	5.00	40.0	—

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	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	4.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Tier 4 Final	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	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Final	2.00	8.00	87.0	0.43
Building Construction	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43

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	18.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	6.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT

Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	6.00	10.2	HHDT,MHDT
Grading	Hauling	429	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	136	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	41.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	27.0	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	0.00	0.00	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	0.00	0.00	484,496	161,499	16,853

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	105	0.00	—
Grading	0.00	102,901	120	0.00	—
Paving	0.00	0.00	0.00	0.00	6.45

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
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	1.88	100%
Other Asphalt Surfaces	4.57	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005

2025	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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth

Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8

Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422

Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392
Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8
Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7

Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—
2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 17.61 acres
Construction: Construction Phases	Construction anticipated to begin May 2024 and end May 2025

Construction: Off-Road Equipment	Equipment based on equipment used for construction of other industrial projects in the area
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113

MFBC Building 14 (Construction) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 14 (Construction)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.84962366468944, -117.25967142469695
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	355	1000sqft	12.5	354,583	189,366	0.00	—	—
Parking Lot	269	Space	1.34	0.00	0.00	0.00	—	—

Other Asphalt Surfaces	224	1000sqft	5.13	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	2.16	56.1	30.1	54.1	0.12	0.55	5.96	6.06	0.52	2.76	2.87	—	15,905	15,905	0.45	1.50	20.1	16,382
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.67	54.9	20.3	39.0	0.06	0.39	2.72	3.11	0.37	0.65	1.02	—	8,483	8,483	0.33	0.34	0.34	8,592
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.66	6.28	9.79	17.6	0.03	0.14	1.65	1.79	0.13	0.54	0.67	—	4,319	4,319	0.15	0.23	2.46	4,394
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.12	1.15	1.79	3.21	0.01	0.03	0.30	0.33	0.02	0.10	0.12	—	715	715	0.03	0.04	0.41	728

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.59	1.49	30.1	40.3	0.12	0.42	5.96	6.06	0.41	2.76	2.87	—	15,905	15,905	0.45	1.50	20.1	16,382
2025	2.16	56.1	27.4	54.1	0.07	0.55	2.92	3.47	0.52	0.70	1.22	—	10,408	10,408	0.40	0.36	14.0	10,539
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.54	1.45	18.9	36.7	0.06	0.30	2.33	2.63	0.29	0.56	0.85	—	7,977	7,977	0.31	0.32	0.32	8,081
2025	1.67	54.9	20.3	39.0	0.06	0.39	2.72	3.11	0.37	0.65	1.02	—	8,483	8,483	0.33	0.34	0.34	8,592
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.66	0.61	9.79	17.6	0.03	0.14	1.65	1.79	0.13	0.54	0.67	—	4,319	4,319	0.15	0.23	2.46	4,394
2025	0.42	6.28	5.46	10.5	0.02	0.10	0.66	0.75	0.09	0.16	0.25	—	2,223	2,223	0.09	0.09	1.40	2,252
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.12	0.11	1.79	3.21	0.01	0.03	0.30	0.33	0.02	0.10	0.12	—	715	715	0.03	0.04	0.41	728
2025	0.08	1.15	1.00	1.91	< 0.005	0.02	0.12	0.14	0.02	0.03	0.05	—	368	368	0.01	0.01	0.23	373

3. Construction Emissions Details

3.1. Site Preparation (2024) - 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	0.68	0.68	15.7	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,529	5,529	0.22	0.04	—	5,548

Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.29	2.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	454	454	0.02	< 0.005	—	456
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.24	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	75.2	75.2	< 0.005	< 0.005	—	75.5
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.50	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	259	259	0.01	0.01	1.03	263
Vendor	0.01	0.01	0.25	0.08	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	217	217	< 0.005	0.03	0.61	228
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	19.8	19.8	< 0.005	< 0.005	0.04	20.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.28	3.28	< 0.005	< 0.005	0.01	3.33
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.96	2.96	< 0.005	< 0.005	< 0.005	3.10
Hauling	0.00	0.00	0.00	0.00	0.00	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 (2024) - 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	0.88	0.88	20.0	36.2	0.06	0.26	—	0.26	0.25	—	0.25	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.68	2.68	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.07	0.07	1.64	2.97	0.01	0.02	—	0.02	0.02	—	0.02	—	552	552	0.02	< 0.005	—	554
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.30	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.4	91.4	< 0.005	< 0.005	—	91.7
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.67	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	288	288	0.01	0.01	1.14	292
Vendor	0.01	0.01	0.25	0.08	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	217	217	< 0.005	0.03	0.61	228
Hauling	0.36	0.14	9.81	2.36	0.06	0.16	0.60	0.77	0.16	0.22	0.38	—	8,685	8,685	0.16	1.40	18.4	9,124
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	22.0	22.0	< 0.005	< 0.005	0.04	22.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7

Hauling	0.03	0.01	0.85	0.20	< 0.005	0.01	0.05	0.06	0.01	0.02	0.03	—	714	714	0.01	0.12	0.65	749
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.65	3.65	< 0.005	< 0.005	0.01	3.70
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.96	2.96	< 0.005	< 0.005	< 0.005	3.10
Hauling	0.01	< 0.005	0.15	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	118	118	< 0.005	0.02	0.11	124

3.5. Building Construction (2024) - 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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.22	0.22	5.16	8.44	0.01	0.09	—	0.09	0.08	—	0.08	—	1,452	1,452	0.06	0.01	—	1,457
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.94	1.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	240	240	0.01	< 0.005	—	241
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.84	0.76	0.72	12.4	0.00	0.00	0.12	0.12	0.00	0.00	0.00	—	2,145	2,145	0.09	0.07	8.51	2,177
Vendor	0.06	0.04	1.58	0.49	0.01	0.02	0.08	0.10	0.02	0.03	0.05	—	1,397	1,397	0.03	0.21	3.94	1,464
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.79	0.72	0.85	9.40	0.00	0.00	0.12	0.12	0.00	0.00	0.00	—	1,971	1,971	0.09	0.07	0.22	1,996
Vendor	0.06	0.04	1.66	0.50	0.01	0.02	0.08	0.10	0.02	0.03	0.05	—	1,398	1,398	0.03	0.21	0.10	1,462
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.23	0.27	3.12	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	629	629	0.03	0.02	1.16	638
Vendor	0.02	0.01	0.52	0.16	< 0.005	0.01	0.03	0.03	0.01	0.01	0.02	—	440	440	0.01	0.07	0.53	461
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.05	0.57	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	104	104	< 0.005	< 0.005	0.19	106
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	72.9	72.9	< 0.005	0.01	0.09	76.3
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

3.7. Building Construction (2025) - 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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.18	0.18	4.26	6.98	0.01	0.07	—	0.07	0.07	—	0.07	—	1,199	1,199	0.05	0.01	—	1,203
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.78	1.27	< 0.005	0.01	—	0.01	0.01	—	0.01	—	199	199	0.01	< 0.005	—	199
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.80	0.67	0.65	11.5	0.00	0.00	0.12	0.12	0.00	0.00	0.00	—	2,100	2,100	0.09	0.07	7.72	2,132
Vendor	0.06	0.03	1.51	0.47	0.01	0.02	0.08	0.10	0.02	0.03	0.05	—	1,377	1,377	0.03	0.21	3.91	1,444
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.63	0.72	8.70	0.00	0.00	0.12	0.12	0.00	0.00	0.00	—	1,930	1,930	0.09	0.07	0.20	1,955
Vendor	0.06	0.03	1.58	0.48	0.01	0.02	0.08	0.10	0.02	0.03	0.05	—	1,378	1,378	0.03	0.21	0.10	1,441
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.18	0.16	0.20	2.39	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	509	509	0.02	0.02	0.87	516
Vendor	0.02	0.01	0.41	0.12	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	358	358	0.01	0.05	0.44	375
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.44	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	84.2	84.2	< 0.005	< 0.005	0.14	85.4
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	59.3	59.3	< 0.005	0.01	0.07	62.1
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. Paving (2025) - 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	0.29	0.29	7.24	10.6	0.01	0.16	—	0.16	0.15	—	0.15	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
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	< 0.005	< 0.005	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
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	0.08	0.07	0.07	1.16	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	211	211	0.01	0.01	0.78	215
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	10.8	10.8	< 0.005	< 0.005	0.02	10.9
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.79	1.79	< 0.005	< 0.005	< 0.005	1.81
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

3.11. Architectural Coating (2025) - 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	0.07	0.07	1.45	1.28	< 0.005	0.09	—	0.09	0.08	—	0.08	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	53.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	1.45	1.28	< 0.005	0.09	—	0.09	0.08	—	0.08	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	53.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.5	19.5	< 0.005	< 0.005	—	19.6

Architect Coatings	—	5.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.23	3.23	< 0.005	< 0.005	—	3.24
Architectural Coatings	—	1.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.16	0.13	0.13	2.32	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	423	423	0.02	0.01	1.55	429
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	0.14	0.13	0.14	1.75	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	389	389	0.02	0.01	0.04	394
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	0.02	0.01	0.02	0.20	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	43.1	43.1	< 0.005	< 0.005	0.07	43.7
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	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	7.14	7.14	< 0.005	< 0.005	0.01	7.24

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	5/1/2024	6/11/2024	5.00	30.0	—
Grading	Grading	6/12/2024	7/23/2024	5.00	30.0	—
Building Construction	Building Construction	7/24/2024	5/13/2025	5.00	210	—
Paving	Paving	4/16/2025	5/13/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	3/19/2025	5/13/2025	5.00	40.0	—

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	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 3	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Interim	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	4.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	2.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Tier 3	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Interim	2.00	8.00	87.0	0.43
Building Construction	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43

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	18.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT

Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT
Grading	Hauling	124	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	149	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	45.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	30.0	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	0.00	0.00	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	0.00	0.00	531,875	177,292	16,920

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	105	0.00	—
Grading	0.00	29,742	120	0.00	—
Paving	0.00	0.00	0.00	0.00	6.47

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
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	1.34	100%
Other Asphalt Surfaces	5.13	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005

2025	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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth

Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8

Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422

Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392
Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8
Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7

Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—
2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 18.96 acres
Construction: Construction Phases	Construction anticipated to begin May 2024 and end May 2025

Construction: Off-Road Equipment	Equipment based on equipment used for construction of other industrial projects in the area
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113

MFBC Building 14 Construction with Mitigation Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 14 Construction with Mitigation
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.84962366468944, -117.25967142469695
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	355	1000sqft	12.5	354,583	189,366	0.00	—	—
Parking Lot	269	Space	1.34	0.00	0.00	0.00	—	—

Other Asphalt Surfaces	224	1000sqft	5.13	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	1.74	12.6	14.6	54.1	0.12	0.29	5.96	6.06	0.29	2.76	2.87	—	15,905	15,905	0.45	1.50	20.1	16,382
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.38	11.4	7.28	39.0	0.06	0.11	2.72	2.83	0.11	0.65	0.76	—	8,483	8,483	0.33	0.34	0.34	8,592
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.55	1.48	3.54	17.6	0.03	0.07	1.65	1.72	0.07	0.54	0.61	—	4,319	4,319	0.15	0.23	2.46	4,394
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.10	0.27	0.65	3.21	0.01	0.01	0.30	0.31	0.01	0.10	0.11	—	715	715	0.03	0.04	0.41	728

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.34	1.25	14.6	40.3	0.12	0.29	5.96	6.06	0.29	2.76	2.87	—	15,905	15,905	0.45	1.50	20.1	16,382
2025	1.74	12.6	9.13	54.1	0.07	0.13	2.92	3.06	0.13	0.70	0.84	—	10,408	10,408	0.40	0.36	14.0	10,539
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.30	1.20	6.48	36.7	0.06	0.10	2.33	2.44	0.10	0.56	0.67	—	7,977	7,977	0.31	0.32	0.32	8,081
2025	1.38	11.4	7.28	39.0	0.06	0.11	2.72	2.83	0.11	0.65	0.76	—	8,483	8,483	0.33	0.34	0.34	8,592
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.55	0.50	3.54	17.6	0.03	0.07	1.65	1.72	0.07	0.54	0.61	—	4,319	4,319	0.15	0.23	2.46	4,394
2025	0.34	1.48	1.87	10.5	0.02	0.03	0.66	0.69	0.03	0.16	0.19	—	2,223	2,223	0.09	0.09	1.40	2,252
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.10	0.09	0.65	3.21	0.01	0.01	0.30	0.31	0.01	0.10	0.11	—	715	715	0.03	0.04	0.41	728
2025	0.06	0.27	0.34	1.91	< 0.005	0.01	0.12	0.13	0.01	0.03	0.03	—	368	368	0.01	0.01	0.23	373

3. Construction Emissions Details

3.1. Site Preparation (2024) - 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	0.52	0.52	2.71	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,529	5,529	0.22	0.04	—	5,548

Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.22	2.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	454	454	0.02	< 0.005	—	456
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.04	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	75.2	75.2	< 0.005	< 0.005	—	75.5
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.50	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	259	259	0.01	0.01	1.03	263
Vendor	0.01	0.01	0.25	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	217	217	< 0.005	0.03	0.61	228
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.8	19.8	< 0.005	< 0.005	0.04	20.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.28	3.28	< 0.005	< 0.005	0.01	3.33
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.96	2.96	< 0.005	< 0.005	< 0.005	3.10
Hauling	0.00	0.00	0.00	0.00	0.00	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 (2024) - 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	0.65	0.65	4.48	36.2	0.06	0.13	—	0.13	0.13	—	0.13	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.68	2.68	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.05	0.05	0.37	2.97	0.01	0.01	—	0.01	0.01	—	0.01	—	552	552	0.02	< 0.005	—	554
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.4	91.4	< 0.005	< 0.005	—	91.7
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.67	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	288	288	0.01	0.01	1.14	292
Vendor	0.01	0.01	0.25	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	217	217	< 0.005	0.03	0.61	228
Hauling	0.36	0.14	9.81	2.36	0.06	0.16	2.24	2.41	0.16	0.63	0.79	—	8,685	8,685	0.16	1.40	18.4	9,124
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.0	22.0	< 0.005	< 0.005	0.04	22.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7

Hauling	0.03	0.01	0.85	0.20	< 0.005	0.01	0.18	0.20	0.01	0.05	0.07	—	714	714	0.01	0.12	0.65	749
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.65	3.65	< 0.005	< 0.005	0.01	3.70
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.96	2.96	< 0.005	< 0.005	< 0.005	3.10
Hauling	0.01	< 0.005	0.15	0.04	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	118	118	< 0.005	0.02	0.11	124

3.5. Building Construction (2024) - 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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.14	0.14	1.25	8.44	0.01	0.03	—	0.03	0.03	—	0.03	—	1,452	1,452	0.06	0.01	—	1,457
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.23	1.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	240	240	0.01	< 0.005	—	241
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.84	0.76	0.72	12.4	0.00	0.00	1.95	1.95	0.00	0.46	0.46	—	2,145	2,145	0.09	0.07	8.51	2,177
Vendor	0.06	0.04	1.58	0.49	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,397	1,397	0.03	0.21	3.94	1,464
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.79	0.72	0.85	9.40	0.00	0.00	1.95	1.95	0.00	0.46	0.46	—	1,971	1,971	0.09	0.07	0.22	1,996
Vendor	0.06	0.04	1.66	0.50	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,398	1,398	0.03	0.21	0.10	1,462
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.23	0.27	3.12	0.00	0.00	0.61	0.61	0.00	0.14	0.14	—	629	629	0.03	0.02	1.16	638
Vendor	0.02	0.01	0.52	0.16	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	440	440	0.01	0.07	0.53	461
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.05	0.57	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	104	104	< 0.005	< 0.005	0.19	106
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	72.9	72.9	< 0.005	0.01	0.09	76.3
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

3.7. Building Construction (2025) - 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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.12	1.03	6.98	0.01	0.02	—	0.02	0.02	—	0.02	—	1,199	1,199	0.05	0.01	—	1,203
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.19	1.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	199	199	0.01	< 0.005	—	199
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.80	0.67	0.65	11.5	0.00	0.00	1.95	1.95	0.00	0.46	0.46	—	2,100	2,100	0.09	0.07	7.72	2,132
Vendor	0.06	0.03	1.51	0.47	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,377	1,377	0.03	0.21	3.91	1,444
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.63	0.72	8.70	0.00	0.00	1.95	1.95	0.00	0.46	0.46	—	1,930	1,930	0.09	0.07	0.20	1,955
Vendor	0.06	0.03	1.58	0.48	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,378	1,378	0.03	0.21	0.10	1,441
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.18	0.16	0.20	2.39	0.00	0.00	0.50	0.50	0.00	0.12	0.12	—	509	509	0.02	0.02	0.87	516
Vendor	0.02	0.01	0.41	0.12	< 0.005	0.01	0.10	0.10	0.01	0.03	0.03	—	358	358	0.01	0.05	0.44	375
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.44	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	84.2	84.2	< 0.005	< 0.005	0.14	85.4
Vendor	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	59.3	59.3	< 0.005	0.01	0.07	62.1
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. Paving (2025) - 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	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.01	0.01	0.11	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	82.8	82.8	< 0.005	< 0.005	—	83.1
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	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
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	0.08	0.07	0.07	1.16	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	211	211	0.01	0.01	0.78	215
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	0.02	10.9
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.79	1.79	< 0.005	< 0.005	< 0.005	1.81
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

3.11. Architectural Coating (2025) - 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	0.03	0.03	0.86	1.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	10.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.03	0.03	0.86	1.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	10.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.09	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.5	19.5	< 0.005	< 0.005	—	19.6

Architect Coatings	—	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.23	3.23	< 0.005	< 0.005	—	3.24
Architectural Coatings	—	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	0.16	0.13	0.13	2.32	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	423	423	0.02	0.01	1.55	429
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	0.14	0.13	0.14	1.75	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	389	389	0.02	0.01	0.04	394
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	0.02	0.01	0.02	0.20	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	43.1	43.1	< 0.005	< 0.005	0.07	43.7
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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.14	7.14	< 0.005	< 0.005	0.01	7.24

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	5/1/2024	6/11/2024	5.00	30.0	—
Grading	Grading	6/12/2024	7/23/2024	5.00	30.0	—
Building Construction	Building Construction	7/24/2024	5/13/2025	5.00	210	—
Paving	Paving	4/16/2025	5/13/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	3/19/2025	5/13/2025	5.00	40.0	—

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	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	4.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74
Building Construction	Welders	Diesel	Tier 4 Final	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	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Final	2.00	8.00	87.0	0.43
Building Construction	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43

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	18.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT

Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT
Grading	Hauling	124	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	149	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	45.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	30.0	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	0.00	0.00	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	0.00	0.00	531,875	177,292	16,920

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	105	0.00	—
Grading	0.00	29,742	120	0.00	—
Paving	0.00	0.00	0.00	0.00	6.47

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
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	1.34	100%
Other Asphalt Surfaces	5.13	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005

2025	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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth

Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8

Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422

Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392
Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8
Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7

Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—
2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 18.96 acres
Construction: Construction Phases	Construction anticipated to begin May 2024 and end May 2025

Construction: Off-Road Equipment	Equipment based on equipment used for construction of other industrial projects in the area
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113

MFBC Building 17 (Construction) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 17 (Construction)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.856453754053824, -117.25956342190489
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	269	1000sqft	10.0	268,955	166,691	0.00	—	—
Parking Lot	261	Space	1.44	0.00	0.00	0.00	—	—

Other Asphalt Surfaces	183	1000sqft	4.19	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	1.34	1.22	18.0	35.9	0.05	0.30	1.77	2.06	0.28	0.43	0.71	—	7,241	7,241	0.28	0.25	8.80	7,331
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.79	43.1	71.8	49.7	0.36	1.11	14.7	15.8	1.10	4.34	5.45	—	51,669	51,669	1.11	7.09	2.50	53,814
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.02	5.37	17.4	25.4	0.06	0.28	2.41	2.69	0.27	0.68	0.95	—	8,645	8,645	0.26	0.73	5.68	8,876
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.19	0.98	3.17	4.64	0.01	0.05	0.44	0.49	0.05	0.12	0.17	—	1,431	1,431	0.04	0.12	0.94	1,470

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.34	1.22	18.0	35.9	0.05	0.30	1.77	2.06	0.28	0.43	0.71	—	7,241	7,241	0.28	0.25	8.80	7,331
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.78	0.77	16.0	31.2	0.05	0.11	5.94	6.05	0.11	2.75	2.86	—	5,923	5,923	0.24	0.08	0.04	5,952
2025	2.79	43.1	71.8	49.7	0.36	1.11	14.7	15.8	1.10	4.34	5.45	—	51,669	51,669	1.11	7.09	2.50	53,814
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.04	0.04	0.91	1.77	< 0.005	0.01	0.34	0.34	0.01	0.16	0.16	—	336	336	0.01	< 0.005	0.04	338
2025	1.02	5.37	17.4	25.4	0.06	0.28	2.41	2.69	0.27	0.68	0.95	—	8,645	8,645	0.26	0.73	5.68	8,876
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.01	0.01	0.17	0.32	< 0.005	< 0.005	0.06	0.06	< 0.005	0.03	0.03	—	55.7	55.7	< 0.005	< 0.005	0.01	56.0
2025	0.19	0.98	3.17	4.64	0.01	0.05	0.44	0.49	0.05	0.12	0.17	—	1,431	1,431	0.04	0.12	0.94	1,470

3. Construction Emissions Details

3.1. Site Preparation (2024) - 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	0.68	0.68	15.7	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,529	5,529	0.22	0.04	—	5,548

Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.89	1.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	314	314	0.01	< 0.005	—	315
Dust From Material Movement	—	—	—	—	—	—	0.32	0.32	—	0.15	0.15	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.16	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.0	52.0	< 0.005	< 0.005	—	52.1
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	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	0.10	0.09	0.10	1.14	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	238	238	0.01	0.01	0.03	241
Vendor	0.01	< 0.005	0.18	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	155	155	< 0.005	0.02	0.01	162
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.01	0.07	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	13.7	13.7	< 0.005	< 0.005	0.03	13.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.81	8.81	< 0.005	< 0.005	0.01	9.22
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	2.27	2.27	< 0.005	< 0.005	< 0.005	2.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.46	1.46	< 0.005	< 0.005	< 0.005	1.53
Hauling	0.00	0.00	0.00	0.00	0.00	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. Site Preparation (2025) - 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	0.68	0.68	15.7	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,528	5,528	0.22	0.04	—	5,547
Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.40	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	141	141	0.01	< 0.005	—	141

Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.3	23.3	< 0.005	< 0.005	—	23.4
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.05	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	233	233	0.01	0.01	0.02	236
Vendor	0.01	< 0.005	0.18	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	153	153	< 0.005	0.02	0.01	160
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.01	6.01	< 0.005	< 0.005	0.01	6.09
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.99	0.99	< 0.005	< 0.005	< 0.005	1.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.64	0.64	< 0.005	< 0.005	< 0.005	0.67

Hauling	0.00	0.00	0.00	0.00	0.00	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 (2025) - 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	0.88	0.88	20.0	36.2	0.06	0.26	—	0.26	0.25	—	0.25	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.74	2.74	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.07	1.64	2.97	0.01	0.02	—	0.02	0.02	—	0.02	—	552	552	0.02	< 0.005	—	554
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.30	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.4	91.4	< 0.005	< 0.005	—	91.7

Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.17	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	259	259	0.01	0.01	0.03	262
Vendor	0.01	< 0.005	0.18	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	153	153	< 0.005	0.02	0.01	160
Hauling	1.81	0.67	51.6	12.3	0.30	0.85	3.13	3.99	0.85	1.14	1.99	—	44,542	44,542	0.83	7.01	2.46	46,653
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	21.6	21.6	< 0.005	< 0.005	0.04	21.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	0.02	13.2
Hauling	0.15	0.06	4.29	1.00	0.02	0.07	0.26	0.33	0.07	0.09	0.16	—	3,660	3,660	0.07	0.58	3.35	3,836
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.08	2.08	< 0.005	< 0.005	< 0.005	2.18
Hauling	0.03	0.01	0.78	0.18	< 0.005	0.01	0.05	0.06	0.01	0.02	0.03	—	606	606	0.01	0.10	0.55	635

3.7. Building Construction (2025) - 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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.40	0.40	9.43	15.4	0.03	0.16	—	0.16	0.15	—	0.15	—	2,651	2,651	0.11	0.02	—	2,660
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.07	1.72	2.81	< 0.005	0.03	—	0.03	0.03	—	0.03	—	439	439	0.02	< 0.005	—	440
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.61	0.51	0.49	8.73	0.00	0.00	0.09	0.09	0.00	0.00	0.00	—	1,593	1,593	0.07	0.06	5.85	1,617
Vendor	0.05	0.02	1.14	0.35	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,040	1,040	0.02	0.16	2.95	1,091
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.48	0.55	6.59	0.00	0.00	0.09	0.09	0.00	0.00	0.00	—	1,464	1,464	0.07	0.06	0.15	1,483
Vendor	0.05	0.02	1.20	0.36	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	1,041	1,041	0.02	0.16	0.08	1,089
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.30	0.27	0.34	4.01	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	853	853	0.04	0.03	1.45	865
Vendor	0.03	0.01	0.69	0.21	< 0.005	0.01	0.04	0.04	0.01	0.01	0.02	—	599	599	0.01	0.09	0.74	627
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.06	0.73	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	141	141	0.01	0.01	0.24	143
Vendor	< 0.005	< 0.005	0.13	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	99.1	99.1	< 0.005	0.02	0.12	104
Hauling	0.00	0.00	0.00	0.00	0.00	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. Paving (2025) - 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	0.29	0.29	7.24	10.6	0.01	0.16	—	0.16	0.15	—	0.15	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
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	0.07	0.06	0.07	0.88	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	194	194	0.01	0.01	0.02	197
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	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	10.8	10.8	< 0.005	< 0.005	0.02	10.9
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.79	1.79	< 0.005	< 0.005	< 0.005	1.81

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

3.11. Architectural Coating (2025) - 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	0.07	0.07	1.45	1.28	< 0.005	0.09	—	0.09	0.08	—	0.08	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	40.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.5	19.5	< 0.005	< 0.005	—	19.6
Architectural Coatings	—	4.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.23	3.23	< 0.005	< 0.005	—	3.24

Architect Coatings	—	0.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.11	0.10	0.11	1.34	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	298	298	0.01	0.01	0.03	302
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	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	33.1	33.1	< 0.005	< 0.005	0.06	33.5
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	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.48	5.48	< 0.005	< 0.005	0.01	5.55
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)

Vegetatio	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	12/3/2024	1/13/2025	5.00	30.0	—
Grading	Grading	1/14/2025	2/24/2025	5.00	30.0	—
Building Construction	Building Construction	2/25/2025	12/15/2025	5.00	210	—
Paving	Paving	11/18/2025	12/15/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	10/21/2025	12/15/2025	5.00	40.0	—

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	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 3	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Interim	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	4.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	2.00	8.00	14.0	0.74

Building Construction	Welders	Diesel	Tier 3	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Interim	2.00	8.00	87.0	0.43
Building Construction	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43

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	18.0	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	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	5.00	10.2	HHDT,MHDT
Grading	Hauling	646	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	113	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	34.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT

Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	23.0	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	0.00	0.00	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	0.00	0.00	403,433	134,478	14,721

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	105	0.00	—
Grading	154,976	0.00	120	0.00	—

Paving	0.00	0.00	0.00	0.00	5.63

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
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	1.44	100%
Other Asphalt Surfaces	4.19	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005
2025	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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8

Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392
Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127

Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8
Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0

Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—
2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0

Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 15.63 acres
Construction: Construction Phases	Construction anticipated to begin December 2024 and end December 2025
Construction: Off-Road Equipment	Equipment based on equipment used for construction of other industrial projects in the area
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113

MFBC Building 17 Construction with Mitigation Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 17 Construction with Mitigation
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.856453754053824, -117.25956342190489
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	269	1000sqft	10.0	268,955	166,691	0.00	—	—
Parking Lot	261	Space	1.44	0.00	0.00	0.00	—	—

Other Asphalt Surfaces	183	1000sqft	4.19	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	1.10	0.97	5.61	35.9	0.05	0.10	1.77	1.87	0.10	0.43	0.52	—	7,241	7,241	0.28	0.25	8.80	7,331
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.56	9.97	56.4	49.7	0.36	0.98	14.7	15.7	0.98	4.34	5.33	—	51,669	51,669	1.11	7.09	2.50	53,814
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.84	1.61	8.28	25.4	0.06	0.14	2.41	2.55	0.14	0.68	0.82	—	8,645	8,645	0.26	0.73	5.68	8,876
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.15	0.29	1.51	4.64	0.01	0.03	0.44	0.47	0.03	0.12	0.15	—	1,431	1,431	0.04	0.12	0.94	1,470

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.10	0.97	5.61	35.9	0.05	0.10	1.77	1.87	0.10	0.43	0.52	—	7,241	7,241	0.28	0.25	8.80	7,331
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.62	0.61	2.99	31.2	0.05	0.11	5.94	6.05	0.11	2.75	2.86	—	5,923	5,923	0.24	0.08	0.04	5,952
2025	2.56	9.97	56.4	49.7	0.36	0.98	14.7	15.7	0.98	4.34	5.33	—	51,669	51,669	1.11	7.09	2.50	53,814
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.04	0.03	0.17	1.77	< 0.005	0.01	0.34	0.34	0.01	0.16	0.16	—	336	336	0.01	< 0.005	0.04	338
2025	0.84	1.61	8.28	25.4	0.06	0.14	2.41	2.55	0.14	0.68	0.82	—	8,645	8,645	0.26	0.73	5.68	8,876
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.01	0.01	0.03	0.32	< 0.005	< 0.005	0.06	0.06	< 0.005	0.03	0.03	—	55.7	55.7	< 0.005	< 0.005	0.01	56.0
2025	0.15	0.29	1.51	4.64	0.01	0.03	0.44	0.47	0.03	0.12	0.15	—	1,431	1,431	0.04	0.12	0.94	1,470

3. Construction Emissions Details

3.1. Site Preparation (2024) - 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	0.52	0.52	2.71	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,529	5,529	0.22	0.04	—	5,548

Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.15	1.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	314	314	0.01	< 0.005	—	315
Dust From Material Movement	—	—	—	—	—	—	0.32	0.32	—	0.15	0.15	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.0	52.0	< 0.005	< 0.005	—	52.1
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	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	0.10	0.09	0.10	1.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	238	238	0.01	0.01	0.03	241
Vendor	0.01	< 0.005	0.18	0.06	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	155	155	< 0.005	0.02	0.01	162
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.03	13.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.81	8.81	< 0.005	< 0.005	0.01	9.22
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.27	2.27	< 0.005	< 0.005	< 0.005	2.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.46	1.46	< 0.005	< 0.005	< 0.005	1.53
Hauling	0.00	0.00	0.00	0.00	0.00	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. Site Preparation (2025) - 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	0.52	0.52	2.71	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,528	5,528	0.22	0.04	—	5,547
Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	141	141	0.01	< 0.005	—	141

Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.3	23.3	< 0.005	< 0.005	—	23.4
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.05	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	233	233	0.01	0.01	0.02	236
Vendor	0.01	< 0.005	0.18	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	153	153	< 0.005	0.02	0.01	160
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.01	6.01	< 0.005	< 0.005	0.01	6.09
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.99	0.99	< 0.005	< 0.005	< 0.005	1.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.64	0.64	< 0.005	< 0.005	< 0.005	0.67

Hauling	0.00	0.00	0.00	0.00	0.00	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 (2025) - 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	0.65	0.65	4.48	36.2	0.06	0.13	—	0.13	0.13	—	0.13	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.74	2.74	—	0.99	0.99	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.05	0.37	2.97	0.01	0.01	—	0.01	0.01	—	0.01	—	552	552	0.02	< 0.005	—	554
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.4	91.4	< 0.005	< 0.005	—	91.7

Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	259	259	0.01	0.01	0.03	262
Vendor	0.01	< 0.005	0.18	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	153	153	< 0.005	0.02	0.01	160
Hauling	1.81	0.67	51.6	12.3	0.30	0.85	11.7	12.5	0.85	3.28	4.13	—	44,542	44,542	0.83	7.01	2.46	46,653
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.6	21.6	< 0.005	< 0.005	0.04	21.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.6	12.6	< 0.005	< 0.005	0.02	13.2
Hauling	0.15	0.06	4.29	1.00	0.02	0.07	0.96	1.03	0.07	0.27	0.34	—	3,660	3,660	0.07	0.58	3.35	3,836
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.08	2.08	< 0.005	< 0.005	< 0.005	2.18
Hauling	0.03	0.01	0.78	0.18	< 0.005	0.01	0.17	0.19	0.01	0.05	0.06	—	606	606	0.01	0.10	0.55	635

3.7. Building Construction (2025) - 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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.26	0.26	2.28	15.4	0.03	0.05	—	0.05	0.05	—	0.05	—	2,651	2,651	0.11	0.02	—	2,660
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.42	2.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	439	439	0.02	< 0.005	—	440
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.61	0.51	0.49	8.73	0.00	0.00	1.48	1.48	0.00	0.35	0.35	—	1,593	1,593	0.07	0.06	5.85	1,617
Vendor	0.05	0.02	1.14	0.35	0.01	0.02	0.29	0.31	0.02	0.08	0.10	—	1,040	1,040	0.02	0.16	2.95	1,091
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.48	0.55	6.59	0.00	0.00	1.48	1.48	0.00	0.35	0.35	—	1,464	1,464	0.07	0.06	0.15	1,483
Vendor	0.05	0.02	1.20	0.36	0.01	0.02	0.29	0.31	0.02	0.08	0.10	—	1,041	1,041	0.02	0.16	0.08	1,089
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.30	0.27	0.34	4.01	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	853	853	0.04	0.03	1.45	865
Vendor	0.03	0.01	0.69	0.21	< 0.005	0.01	0.17	0.18	0.01	0.05	0.05	—	599	599	0.01	0.09	0.74	627
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.06	0.73	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	141	141	0.01	0.01	0.24	143
Vendor	< 0.005	< 0.005	0.13	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	99.1	99.1	< 0.005	0.02	0.12	104
Hauling	0.00	0.00	0.00	0.00	0.00	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. Paving (2025) - 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	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
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	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	0.01	0.01	0.02	197
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	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	0.02	10.9
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.79	1.79	< 0.005	< 0.005	< 0.005	1.81

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

3.11. Architectural Coating (2025) - 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	0.03	0.03	0.86	1.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	7.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.09	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.5	19.5	< 0.005	< 0.005	—	19.6
Architectural Coatings	—	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.23	3.23	< 0.005	< 0.005	—	3.24

Architect Coatings	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.11	1.34	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	298	298	0.01	0.01	0.03	302
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	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	33.1	33.1	< 0.005	< 0.005	0.06	33.5
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.48	5.48	< 0.005	< 0.005	0.01	5.55
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)

Vegetatio	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	12/3/2024	1/13/2025	5.00	30.0	—
Grading	Grading	1/14/2025	2/24/2025	5.00	30.0	—
Building Construction	Building Construction	2/25/2025	12/15/2025	5.00	210	—
Paving	Paving	11/18/2025	12/15/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	10/21/2025	12/15/2025	5.00	40.0	—

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	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	4.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74

Building Construction	Welders	Diesel	Tier 4 Final	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	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Final	2.00	8.00	87.0	0.43
Building Construction	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43

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	18.0	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	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	5.00	10.2	HHDT,MHDT
Grading	Hauling	646	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	113	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	34.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT

Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	23.0	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	0.00	0.00	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	0.00	0.00	403,433	134,478	14,721

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	105	0.00	—
Grading	154,976	0.00	120	0.00	—

Paving	0.00	0.00	0.00	0.00	5.63

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
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	1.44	100%
Other Asphalt Surfaces	4.19	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005
2025	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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8

Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392
Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127

Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8
Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0

Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—
2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0

Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 15.63 acres
Construction: Construction Phases	Construction anticipated to begin December 2024 and end December 2025
Construction: Off-Road Equipment	Equipment based on equipment used for construction of other industrial projects in the area
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113

MFBC Building 18 (Construction) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 18 (Construction)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.85642023269851, -117.26415304675538
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	334	1000sqft	8.98	333,648	57,619	0.00	—	—
Parking Lot	280	Space	1.58	0.00	0.00	0.00	—	—

Other Asphalt Surfaces	116	1000sqft	2.66	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	1.50	1.34	18.4	38.1	0.05	0.30	2.20	2.50	0.28	0.53	0.82	—	7,897	7,897	0.30	0.31	11.0	8,006
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.97	52.0	27.5	49.8	0.08	0.55	5.96	6.06	0.51	2.76	2.87	—	9,985	9,985	0.40	0.44	0.34	10,097
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.96	6.36	13.6	25.5	0.04	0.22	1.75	1.97	0.21	0.49	0.69	—	5,543	5,543	0.21	0.22	3.06	5,616
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.17	1.16	2.48	4.66	0.01	0.04	0.32	0.36	0.04	0.09	0.13	—	918	918	0.04	0.04	0.51	930

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.50	1.34	18.4	38.1	0.05	0.30	2.20	2.50	0.28	0.53	0.82	—	7,897	7,897	0.30	0.31	11.0	8,006
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.78	0.77	16.1	31.2	0.05	0.11	5.96	6.06	0.11	2.76	2.87	—	5,985	5,985	0.24	0.09	0.04	6,017
2025	1.97	52.0	27.5	49.8	0.08	0.55	5.96	6.06	0.51	2.76	2.87	—	9,985	9,985	0.40	0.44	0.34	10,097
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.04	0.04	0.91	1.77	< 0.005	0.01	0.34	0.34	0.01	0.16	0.16	—	340	340	0.01	< 0.005	0.04	342
2025	0.96	6.36	13.6	25.5	0.04	0.22	1.75	1.97	0.21	0.49	0.69	—	5,543	5,543	0.21	0.22	3.06	5,616
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.01	0.01	0.17	0.32	< 0.005	< 0.005	0.06	0.06	< 0.005	0.03	0.03	—	56.3	56.3	< 0.005	< 0.005	0.01	56.6
2025	0.17	1.16	2.48	4.66	0.01	0.04	0.32	0.36	0.04	0.09	0.13	—	918	918	0.04	0.04	0.51	930

3. Construction Emissions Details

3.1. Site Preparation (2024) - 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	0.68	0.68	15.7	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,529	5,529	0.22	0.04	—	5,548

Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.89	1.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	314	314	0.01	< 0.005	—	315
Dust From Material Movement	—	—	—	—	—	—	0.32	0.32	—	0.15	0.15	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.16	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.0	52.0	< 0.005	< 0.005	—	52.1
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	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	0.10	0.09	0.10	1.14	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	238	238	0.01	0.01	0.03	241
Vendor	0.01	0.01	0.26	0.08	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	217	217	< 0.005	0.03	0.02	227
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.01	0.07	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	13.7	13.7	< 0.005	< 0.005	0.03	13.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.01	12.9
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	2.27	2.27	< 0.005	< 0.005	< 0.005	2.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.14
Hauling	0.00	0.00	0.00	0.00	0.00	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. Site Preparation (2025) - 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	0.68	0.68	15.7	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,528	5,528	0.22	0.04	—	5,547
Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.40	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	141	141	0.01	< 0.005	—	141

Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.3	23.3	< 0.005	< 0.005	—	23.4
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.05	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	233	233	0.01	0.01	0.02	236
Vendor	0.01	< 0.005	0.25	0.08	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	214	214	< 0.005	0.03	0.02	224
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.01	6.01	< 0.005	< 0.005	0.01	6.09
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.45	5.45	< 0.005	< 0.005	0.01	5.71
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	0.99	0.99	< 0.005	< 0.005	< 0.005	1.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.90	0.90	< 0.005	< 0.005	< 0.005	0.94

Hauling	0.00	0.00	0.00	0.00	0.00	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 (2025) - 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	0.88	0.88	20.0	36.2	0.06	0.26	—	0.26	0.25	—	0.25	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.67	2.67	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.07	1.64	2.97	0.01	0.02	—	0.02	0.02	—	0.02	—	552	552	0.02	< 0.005	—	554
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.30	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.4	91.4	< 0.005	< 0.005	—	91.7

Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.17	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	259	259	0.01	0.01	0.03	262
Vendor	0.01	< 0.005	0.25	0.08	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	214	214	< 0.005	0.03	0.02	224
Hauling	0.09	0.03	2.56	0.61	0.01	0.04	0.16	0.20	0.04	0.06	0.10	—	2,206	2,206	0.04	0.35	0.12	2,311
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	21.6	21.6	< 0.005	< 0.005	0.04	21.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.02	18.4
Hauling	0.01	< 0.005	0.21	0.05	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	181	181	< 0.005	0.03	0.17	190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.92	2.92	< 0.005	< 0.005	< 0.005	3.05
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	30.0	30.0	< 0.005	< 0.005	0.03	31.5

3.7. Building Construction (2025) - 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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.69	0.69	16.4	26.8	0.05	0.28	—	0.28	0.27	—	0.27	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.40	0.40	9.43	15.4	0.03	0.16	—	0.16	0.15	—	0.15	—	2,651	2,651	0.11	0.02	—	2,660
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.07	1.72	2.81	< 0.005	0.03	—	0.03	0.03	—	0.03	—	439	439	0.02	< 0.005	—	440
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.75	0.63	0.61	10.8	0.00	0.00	0.11	0.11	0.00	0.00	0.00	—	1,973	1,973	0.08	0.07	7.25	2,003
Vendor	0.06	0.03	1.44	0.45	0.01	0.02	0.08	0.10	0.02	0.03	0.05	—	1,316	1,316	0.03	0.20	3.73	1,380
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.66	0.59	0.68	8.17	0.00	0.00	0.11	0.11	0.00	0.00	0.00	—	1,814	1,814	0.08	0.07	0.19	1,837
Vendor	0.06	0.03	1.51	0.46	0.01	0.02	0.08	0.10	0.02	0.03	0.05	—	1,316	1,316	0.03	0.20	0.10	1,377
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.34	0.42	4.97	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,057	1,057	0.05	0.04	1.80	1,072
Vendor	0.03	0.02	0.87	0.26	0.01	0.01	0.04	0.06	0.01	0.02	0.03	—	757	757	0.02	0.12	0.93	793
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.06	0.08	0.91	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	175	175	0.01	0.01	0.30	177
Vendor	0.01	< 0.005	0.16	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	125	125	< 0.005	0.02	0.15	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

3.9. Paving (2025) - 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	0.29	0.29	7.24	10.6	0.01	0.16	—	0.16	0.15	—	0.15	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.40	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
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	< 0.005	< 0.005	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
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	0.07	0.06	0.07	0.88	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	194	194	0.01	0.01	0.02	197
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	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	10.8	10.8	< 0.005	< 0.005	0.02	10.9
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.79	1.79	< 0.005	< 0.005	< 0.005	1.81

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

3.11. Architectural Coating (2025) - 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	0.07	0.07	1.45	1.28	< 0.005	0.09	—	0.09	0.08	—	0.08	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	49.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.01	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	19.5	19.5	< 0.005	< 0.005	—	19.6
Architectural Coatings	—	5.44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.23	3.23	< 0.005	< 0.005	—	3.24

Architect Coatings	—	0.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.13	0.12	0.14	1.63	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	363	363	0.02	0.01	0.04	367
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	0.02	0.19	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	40.3	40.3	< 0.005	< 0.005	0.07	40.8
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	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.67	6.67	< 0.005	< 0.005	0.01	6.76
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)

Vegetatio	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	12/3/2024	1/13/2025	5.00	30.0	—
Grading	Grading	1/14/2025	2/24/2025	5.00	30.0	—
Building Construction	Building Construction	2/25/2025	12/15/2025	5.00	210	—
Paving	Paving	11/18/2025	12/15/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	10/21/2025	12/15/2025	5.00	40.0	—

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	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 3	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Interim	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	4.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 3	2.00	8.00	14.0	0.74

Building Construction	Welders	Diesel	Tier 3	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 3	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 3	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Interim	2.00	8.00	87.0	0.43
Building Construction	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43

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	18.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT
Grading	Hauling	32.0	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	140	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	43.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT

Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	28.0	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	0.00	0.00	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	0.00	0.00	500,472	166,824	11,091

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	105	0.00	—
Grading	7,784	0.00	120	0.00	—

Paving	0.00	0.00	0.00	0.00	4.24

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
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	1.58	100%
Other Asphalt Surfaces	2.66	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005
2025	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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8

Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392
Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127

Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8
Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0

Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—
2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0

Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 13.23 acres
Construction: Construction Phases	Construction anticipated to begin December 2024 and end December 2025
Construction: Off-Road Equipment	Equipment based on equipment used for construction of other industrial projects in the area
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113

MFBC Building 18 Construction with Mitigation Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 18 Construction with Mitigation
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.85642023269851, -117.26415304675538
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	334	1000sqft	8.98	333,648	57,619	0.00	—	—
Parking Lot	280	Space	1.58	0.00	0.00	0.00	—	—

Other Asphalt Surfaces	116	1000sqft	2.66	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

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.	1.26	1.10	6.03	38.1	0.05	0.10	2.20	2.30	0.10	0.53	0.63	—	7,897	7,897	0.30	0.31	11.0	8,006
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.55	11.0	9.16	49.8	0.08	0.17	5.96	6.06	0.17	2.76	2.87	—	9,985	9,985	0.40	0.44	0.34	10,097
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.78	1.73	4.48	25.5	0.04	0.08	1.75	1.83	0.08	0.49	0.56	—	5,543	5,543	0.21	0.22	3.06	5,616
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.14	0.32	0.82	4.66	0.01	0.01	0.32	0.33	0.01	0.09	0.10	—	918	918	0.04	0.04	0.51	930

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.26	1.10	6.03	38.1	0.05	0.10	2.20	2.30	0.10	0.53	0.63	—	7,897	7,897	0.30	0.31	11.0	8,006
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.63	0.61	3.07	31.2	0.05	0.11	5.96	6.06	0.11	2.76	2.87	—	5,985	5,985	0.24	0.09	0.04	6,017
2025	1.55	11.0	9.16	49.8	0.08	0.17	5.96	6.06	0.17	2.76	2.87	—	9,985	9,985	0.40	0.44	0.34	10,097
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.04	0.03	0.17	1.77	< 0.005	0.01	0.34	0.34	0.01	0.16	0.16	—	340	340	0.01	< 0.005	0.04	342
2025	0.78	1.73	4.48	25.5	0.04	0.08	1.75	1.83	0.08	0.49	0.56	—	5,543	5,543	0.21	0.22	3.06	5,616
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.01	0.01	0.03	0.32	< 0.005	< 0.005	0.06	0.06	< 0.005	0.03	0.03	—	56.3	56.3	< 0.005	< 0.005	0.01	56.6
2025	0.14	0.32	0.82	4.66	0.01	0.01	0.32	0.33	0.01	0.09	0.10	—	918	918	0.04	0.04	0.51	930

3. Construction Emissions Details

3.1. Site Preparation (2024) - 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	0.52	0.52	2.71	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,529	5,529	0.22	0.04	—	5,548

Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.15	1.70	< 0.005	0.01	—	0.01	0.01	—	0.01	—	314	314	0.01	< 0.005	—	315
Dust From Material Movement	—	—	—	—	—	—	0.32	0.32	—	0.15	0.15	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.0	52.0	< 0.005	< 0.005	—	52.1
Dust From Material Movement	—	—	—	—	—	—	0.06	0.06	—	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	0.10	0.09	0.10	1.14	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	238	238	0.01	0.01	0.03	241
Vendor	0.01	0.01	0.26	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	217	217	< 0.005	0.03	0.02	227
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.01	0.07	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.03	13.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.01	12.9
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.27	2.27	< 0.005	< 0.005	< 0.005	2.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.14
Hauling	0.00	0.00	0.00	0.00	0.00	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. Site Preparation (2025) - 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	0.52	0.52	2.71	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,528	5,528	0.22	0.04	—	5,547
Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	141	141	0.01	< 0.005	—	141

Dust From Material Movement	—	—	—	—	—	—	0.14	0.14	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	23.3	23.3	< 0.005	< 0.005	—	23.4
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.05	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	233	233	0.01	0.01	0.02	236
Vendor	0.01	< 0.005	0.25	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	< 0.005	0.03	0.02	224
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.01	6.01	< 0.005	< 0.005	0.01	6.09
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.45	5.45	< 0.005	< 0.005	0.01	5.71
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.99	0.99	< 0.005	< 0.005	< 0.005	1.01
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.90	0.90	< 0.005	< 0.005	< 0.005	0.94

Hauling	0.00	0.00	0.00	0.00	0.00	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 (2025) - 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	0.65	0.65	4.48	36.2	0.06	0.13	—	0.13	0.13	—	0.13	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.67	2.67	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.05	0.37	2.97	0.01	0.01	—	0.01	0.01	—	0.01	—	552	552	0.02	< 0.005	—	554
Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.08	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.54	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.4	91.4	< 0.005	< 0.005	—	91.7

Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.17	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	259	259	0.01	0.01	0.03	262
Vendor	0.01	< 0.005	0.25	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	214	214	< 0.005	0.03	0.02	224
Hauling	0.09	0.03	2.56	0.61	0.01	0.04	0.58	0.62	0.04	0.16	0.20	—	2,206	2,206	0.04	0.35	0.12	2,311
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	21.6	21.6	< 0.005	< 0.005	0.04	21.9
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.02	18.4
Hauling	0.01	< 0.005	0.21	0.05	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	181	181	< 0.005	0.03	0.17	190
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	0.01	3.62
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.92	2.92	< 0.005	< 0.005	< 0.005	3.05
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.0	30.0	< 0.005	< 0.005	0.03	31.5

3.7. Building Construction (2025) - 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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.44	0.44	3.97	26.8	0.05	0.08	—	0.08	0.08	—	0.08	—	4,608	4,608	0.19	0.04	—	4,624
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.26	0.26	2.28	15.4	0.03	0.05	—	0.05	0.05	—	0.05	—	2,651	2,651	0.11	0.02	—	2,660
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.42	2.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	439	439	0.02	< 0.005	—	440
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.75	0.63	0.61	10.8	0.00	0.00	1.83	1.83	0.00	0.43	0.43	—	1,973	1,973	0.08	0.07	7.25	2,003
Vendor	0.06	0.03	1.44	0.45	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,316	1,316	0.03	0.20	3.73	1,380
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.66	0.59	0.68	8.17	0.00	0.00	1.83	1.83	0.00	0.43	0.43	—	1,814	1,814	0.08	0.07	0.19	1,837
Vendor	0.06	0.03	1.51	0.46	0.01	0.02	0.37	0.39	0.02	0.10	0.12	—	1,316	1,316	0.03	0.20	0.10	1,377
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.34	0.42	4.97	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	1,057	1,057	0.05	0.04	1.80	1,072
Vendor	0.03	0.02	0.87	0.26	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	757	757	0.02	0.12	0.93	793
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.06	0.08	0.91	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	175	175	0.01	0.01	0.30	177
Vendor	0.01	< 0.005	0.16	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	125	125	< 0.005	0.02	0.15	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

3.9. Paving (2025) - 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	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.01	0.01	0.11	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	82.8	82.8	< 0.005	< 0.005	—	83.1
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	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
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	0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	194	194	0.01	0.01	0.02	197
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	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.8	10.8	< 0.005	< 0.005	0.02	10.9
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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.79	1.79	< 0.005	< 0.005	< 0.005	1.81

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

3.11. Architectural Coating (2025) - 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	0.03	0.03	0.86	1.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	9.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.09	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.5	19.5	< 0.005	< 0.005	—	19.6
Architectural Coatings	—	0.99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.23	3.23	< 0.005	< 0.005	—	3.24

Architect Coatings	—	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.13	0.12	0.14	1.63	0.00	0.00	0.37	0.37	0.00	0.09	0.09	—	363	363	0.02	0.01	0.04	367
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	0.02	0.19	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	40.3	40.3	< 0.005	< 0.005	0.07	40.8
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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.67	6.67	< 0.005	< 0.005	0.01	6.76
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)

Vegetatio	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	12/3/2024	1/13/2025	5.00	30.0	—
Grading	Grading	1/14/2025	2/24/2025	5.00	30.0	—
Building Construction	Building Construction	2/25/2025	12/15/2025	5.00	210	—
Paving	Paving	11/18/2025	12/15/2025	5.00	20.0	—
Architectural Coating	Architectural Coating	10/21/2025	12/15/2025	5.00	40.0	—

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	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	4.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74

Building Construction	Welders	Diesel	Tier 4 Final	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	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Final	2.00	8.00	87.0	0.43
Building Construction	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43

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	18.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT
Grading	Hauling	32.0	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	140	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	43.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT

Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	28.0	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	0.00	0.00	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	0.00	0.00	500,472	166,824	11,091

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	105	0.00	—
Grading	7,784	0.00	120	0.00	—

Paving	0.00	0.00	0.00	0.00	4.24

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
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	1.58	100%
Other Asphalt Surfaces	2.66	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005
2025	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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2
Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8

Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392
Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127

Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8
Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0

Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—
2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0

Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 13.23 acres
Construction: Construction Phases	Construction anticipated to begin December 2024 and end December 2025
Construction: Off-Road Equipment	Equipment based on equipment used for construction of other industrial projects in the area
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113

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APPENDIX 2.2:

CALEEMOD PROJECT REGIONAL OPERATIONAL EMISSIONS MODEL OUTPUTS

MFBC Building 13 (Operations) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 13 (Operations)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.8463645366747, -117.25831888936246
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	323	1000sqft	11.2	322,997	162,890	0.00	—	—
User Defined Industrial	323	User Defined Unit	0.00	0.00	0.00	0.00	—	—

Parking Lot	311	Space	1.88	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	199	1000sqft	4.57	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations 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.	4.54	11.9	5.73	37.9	0.09	0.11	2.42	2.53	0.11	0.45	0.56	307	11,168	11,474	31.5	1.12	359	12,955
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.96	9.48	5.94	19.7	0.08	0.09	2.42	2.51	0.09	0.45	0.54	307	10,736	11,043	31.5	1.13	330	12,495
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.47	10.9	5.48	28.0	0.08	0.09	2.17	2.27	0.09	0.41	0.50	307	9,933	10,240	31.4	1.06	341	11,681
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.63	1.98	1.00	5.10	0.01	0.02	0.40	0.41	0.02	0.07	0.09	50.8	1,645	1,695	5.20	0.17	56.4	1,934

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.04	1.78	5.62	23.9	0.09	0.09	2.42	2.51	0.09	0.45	0.54	—	9,123	9,123	0.23	0.75	30.1	9,381
Area	2.50	10.1	0.12	14.0	< 0.005	0.02	—	0.02	0.02	—	0.02	—	57.8	57.8	< 0.005	0.01	—	59.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,488	1,488	0.14	0.02	—	1,497
Water	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Total	4.54	11.9	5.73	37.9	0.09	0.11	2.42	2.53	0.11	0.45	0.56	307	11,168	11,474	31.5	1.12	359	12,955
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.96	1.70	5.94	19.7	0.08	0.09	2.42	2.51	0.09	0.45	0.54	—	8,749	8,749	0.24	0.75	0.78	8,980
Area	—	7.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,488	1,488	0.14	0.02	—	1,497
Water	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Total	1.96	9.48	5.94	19.7	0.08	0.09	2.42	2.51	0.09	0.45	0.54	307	10,736	11,043	31.5	1.13	330	12,495
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.76	1.52	5.40	18.3	0.08	0.08	2.17	2.25	0.08	0.41	0.48	—	7,907	7,907	0.21	0.68	11.7	8,126
Area	1.71	9.35	0.08	9.62	< 0.005	0.01	—	0.01	0.02	—	0.02	—	39.6	39.6	< 0.005	< 0.005	—	40.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,488	1,488	0.14	0.02	—	1,497
Water	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329

Total	3.47	10.9	5.48	28.0	0.08	0.09	2.17	2.27	0.09	0.41	0.50	307	9,933	10,240	31.4	1.06	341	11,681
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.32	0.28	0.99	3.35	0.01	0.01	0.40	0.41	0.01	0.07	0.09	—	1,309	1,309	0.04	0.11	1.94	1,345
Area	0.31	1.71	0.01	1.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.55	6.55	< 0.005	< 0.005	—	6.74
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	246	246	0.02	< 0.005	—	248
Water	—	—	—	—	—	—	—	—	—	—	—	23.7	82.6	106	2.44	0.06	—	185
Waste	—	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.71	0.00	—	94.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	54.5	54.5
Total	0.63	1.98	1.00	5.10	0.01	0.02	0.40	0.41	0.02	0.07	0.09	50.8	1,645	1,695	5.20	0.17	56.4	1,934

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.85	1.67	1.09	22.5	0.05	0.02	1.77	1.79	0.02	0.30	0.32	—	4,889	4,889	0.16	0.11	17.7	4,944
User Defined Industrial	0.20	0.11	4.52	1.36	0.04	0.07	0.65	0.72	0.07	0.15	0.22	—	4,234	4,234	0.07	0.63	12.4	4,437
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.04	1.78	5.62	23.9	0.09	0.09	2.42	2.51	0.09	0.45	0.54	—	9,123	9,123	0.23	0.75	30.1	9,381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.77	1.59	1.21	18.3	0.04	0.02	1.77	1.79	0.02	0.30	0.32	—	4,513	4,513	0.16	0.12	0.46	4,553
User Defined Industrial	0.19	0.11	4.72	1.37	0.04	0.07	0.65	0.72	0.07	0.15	0.22	—	4,235	4,235	0.07	0.64	0.32	4,427
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.96	1.70	5.94	19.7	0.08	0.09	2.42	2.51	0.09	0.45	0.54	—	8,749	8,749	0.24	0.75	0.78	8,980
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.29	0.26	0.21	3.12	0.01	< 0.005	0.29	0.29	< 0.005	0.05	0.05	—	679	679	0.02	0.02	1.14	686
User Defined Industrial	0.03	0.02	0.78	0.22	0.01	0.01	0.11	0.12	0.01	0.02	0.04	—	630	630	0.01	0.09	0.80	659
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.32	0.28	0.99	3.35	0.01	0.01	0.40	0.41	0.01	0.07	0.09	—	1,309	1,309	0.04	0.11	1.94	1,345

4.2. Energy

4.2.1. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,420	1,420	0.13	0.02	—	1,428
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	68.5	68.5	0.01	< 0.005	—	68.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,488	1,488	0.14	0.02	—	1,497
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,420	1,420	0.13	0.02	—	1,428
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	68.5	68.5	0.01	< 0.005	—	68.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,488	1,488	0.14	0.02	—	1,497
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	235	235	0.02	< 0.005	—	236
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3	< 0.005	< 0.005	—	11.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	246	246	0.02	< 0.005	—	248

4.2.3. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.50	2.30	0.12	14.0	< 0.005	0.02	—	0.02	0.02	—	0.02	—	57.8	57.8	< 0.005	0.01	—	59.5
Total	2.50	10.1	0.12	14.0	< 0.005	0.02	—	0.02	0.02	—	0.02	—	57.8	57.8	< 0.005	0.01	—	59.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	7.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.31	0.29	0.01	1.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.55	6.55	< 0.005	< 0.005	—	6.74
Total	0.31	1.71	0.01	1.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.55	6.55	< 0.005	< 0.005	—	6.74

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	23.7	82.6	106	2.44	0.06	—	185
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	23.7	82.6	106	2.44	0.06	—	185

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.71	0.00	—	94.8
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.71	0.00	—	94.8

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	54.5	54.5
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	54.5	54.5

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	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. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	382	255	236	125,244	6,662	4,455	4,123	2,184,166
User Defined Industrial	72.0	48.2	44.6	23,606	1,483	992	918	486,098
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

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)
0	0.00	484,496	161,499	16,853

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	1,486,546	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00
Parking Lot	71,738	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	74,693,056	2,582,737
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	304	0.00
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2

Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392

Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8

Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—

2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 17.61 acres
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic Analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis
Operations: Energy Use	The Project will not use natural gas

Operations: Refrigerants	Per 17 CCR 95371, new refrigeration equipment containing >50 lbs of refrigerant in new facilities is prohibited from utilizing refrigerants with a GWP of 150 or greater as of 1 Jan 2022

MFBC Building 14 (Operations) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 14 (Operations)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.849507171303635, -117.25967678848663
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	355	1000sqft	12.5	354,583	189,366	0.00	—	—
User Defined Industrial	355	User Defined Unit	0.00	0.00	0.00	0.00	—	—

Parking Lot	269	Space	1.34	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	224	1000sqft	5.13	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations 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.	5.24	13.1	15.0	42.8	0.17	0.25	3.78	4.03	0.25	0.76	1.01	337	20,031	20,368	34.7	2.44	417	22,380
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.41	10.5	15.6	23.0	0.17	0.23	3.78	4.01	0.22	0.76	0.99	337	19,586	19,922	34.7	2.45	363	21,882
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.64	11.7	11.6	27.9	0.12	0.18	2.77	2.95	0.18	0.56	0.74	337	14,993	15,330	34.6	1.91	379	17,141
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.66	2.14	2.11	5.10	0.02	0.03	0.51	0.54	0.03	0.10	0.14	55.8	2,482	2,538	5.72	0.32	62.7	2,838

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.50	2.06	14.8	27.3	0.17	0.23	3.78	4.01	0.22	0.76	0.99	—	17,812	17,812	0.39	2.03	55.6	18,483
Area	2.74	11.1	0.13	15.4	< 0.005	0.02	—	0.02	0.03	—	0.03	—	63.4	63.4	< 0.005	0.01	—	65.3
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,608	1,608	0.15	0.02	—	1,617
Water	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
Waste	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Total	5.24	13.1	15.0	42.8	0.17	0.25	3.78	4.03	0.25	0.76	1.01	337	20,031	20,368	34.7	2.44	417	22,380
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.41	1.97	15.6	23.0	0.17	0.23	3.78	4.01	0.22	0.76	0.99	—	17,430	17,430	0.39	2.04	1.44	18,049
Area	—	8.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,608	1,608	0.15	0.02	—	1,617
Water	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
Waste	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Total	2.41	10.5	15.6	23.0	0.17	0.23	3.78	4.01	0.22	0.76	0.99	337	19,586	19,922	34.7	2.45	363	21,882
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.76	1.44	11.5	17.4	0.12	0.17	2.77	2.94	0.16	0.56	0.72	—	12,794	12,794	0.29	1.50	17.6	13,264
Area	1.88	10.3	0.09	10.6	< 0.005	0.01	—	0.01	0.02	—	0.02	—	43.4	43.4	< 0.005	< 0.005	—	44.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,608	1,608	0.15	0.02	—	1,617
Water	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
Waste	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361

Total	3.64	11.7	11.6	27.9	0.12	0.18	2.77	2.95	0.18	0.56	0.74	337	14,993	15,330	34.6	1.91	379	17,141
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.32	0.26	2.10	3.17	0.02	0.03	0.51	0.54	0.03	0.10	0.13	—	2,118	2,118	0.05	0.25	2.91	2,196
Area	0.34	1.87	0.02	1.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.19	7.19	< 0.005	< 0.005	—	7.40
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	266	266	0.03	< 0.005	—	268
Water	—	—	—	—	—	—	—	—	—	—	—	26.0	90.8	117	2.68	0.06	—	203
Waste	—	—	—	—	—	—	—	—	—	—	—	29.7	0.00	29.7	2.97	0.00	—	104
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.8	59.8
Total	0.66	2.14	2.11	5.10	0.02	0.03	0.51	0.54	0.03	0.10	0.14	55.8	2,482	2,538	5.72	0.32	62.7	2,838

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.90	1.72	1.13	23.2	0.05	0.02	1.83	1.85	0.02	0.31	0.33	—	5,043	5,043	0.16	0.11	18.3	5,099
User Defined Industrial	0.60	0.34	13.7	4.10	0.12	0.21	1.96	2.17	0.20	0.45	0.65	—	12,769	12,769	0.22	1.92	37.3	13,384
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.50	2.06	14.8	27.3	0.17	0.23	3.78	4.01	0.22	0.76	0.99	—	17,812	17,812	0.39	2.03	55.6	18,483
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.83	1.64	1.25	18.9	0.05	0.02	1.83	1.85	0.02	0.31	0.33	—	4,655	4,655	0.17	0.12	0.47	4,696
User Defined Industrial	0.58	0.33	14.3	4.14	0.12	0.21	1.96	2.17	0.20	0.45	0.65	—	12,775	12,775	0.22	1.92	0.97	13,353
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.41	1.97	15.6	23.0	0.17	0.23	3.78	4.01	0.22	0.76	0.99	—	17,430	17,430	0.39	2.04	1.44	18,049
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.24	0.22	0.17	2.62	0.01	< 0.005	0.24	0.25	< 0.005	0.04	0.04	—	571	571	0.02	0.02	0.96	577
User Defined Industrial	0.08	0.04	1.93	0.55	0.02	0.03	0.26	0.29	0.03	0.06	0.09	—	1,547	1,547	0.03	0.23	1.95	1,619
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.32	0.26	2.10	3.17	0.02	0.03	0.51	0.54	0.03	0.10	0.13	—	2,118	2,118	0.05	0.25	2.91	2,196

4.2. Energy

4.2.1. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,559	1,559	0.15	0.02	—	1,568
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	< 0.005	< 0.005	—	49.1
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,608	1,608	0.15	0.02	—	1,617
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,559	1,559	0.15	0.02	—	1,568
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	< 0.005	< 0.005	—	49.1
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,608	1,608	0.15	0.02	—	1,617
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	258	258	0.02	< 0.005	—	260
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.09	8.09	< 0.005	< 0.005	—	8.13
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	266	266	0.03	< 0.005	—	268

4.2.3. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.74	2.53	0.13	15.4	< 0.005	0.02	—	0.02	0.03	—	0.03	—	63.4	63.4	< 0.005	0.01	—	65.3
Total	2.74	11.1	0.13	15.4	< 0.005	0.02	—	0.02	0.03	—	0.03	—	63.4	63.4	< 0.005	0.01	—	65.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	0.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	8.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.34	0.32	0.02	1.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.19	7.19	< 0.005	< 0.005	—	7.40
Total	0.34	1.87	0.02	1.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.19	7.19	< 0.005	< 0.005	—	7.40

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	26.0	90.8	117	2.68	0.06	—	203
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	26.0	90.8	117	2.68	0.06	—	203

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	29.7	0.00	29.7	2.97	0.00	—	104
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	29.7	0.00	29.7	2.97	0.00	—	104

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.8	59.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.8	59.8

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	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. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	394	34.5	13.8	105,241	6,871	601	241	1,835,333
User Defined Industrial	214	18.7	7.48	57,157	4,452	390	156	1,189,128
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

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)
0	0.00	531,875	177,292	16,920

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	1,631,916	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00
Parking Lot	51,132	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	81,997,319	3,002,533
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	333	0.00
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2

Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392

Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8

Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—

2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 18.96 acres
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic Analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis
Operations: Energy Use	The Project will not use natural gas

Operations: Refrigerants	Per 17 CCR 95371, new refrigeration equipment containing >50 lbs of refrigerant in new facilities is prohibited from utilizing refrigerants with a GWP of 150 or greater as of 1 Jan 2022

MFBC Building 17 (Operations) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 17 (Operations)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.856453754053824, -117.25956342190489
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	269	1000sqft	10.0	268,955	166,691	0.00	—	—
User Defined Industrial	269	User Defined Unit	0.00	0.00	0.00	0.00	—	—

Parking Lot	261	Space	1.44	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	183	1000sqft	4.19	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations 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.	3.78	9.88	4.88	31.6	0.07	0.09	2.03	2.12	0.09	0.38	0.47	255	9,379	9,634	26.2	0.95	299	10,871
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.64	7.89	5.06	16.4	0.07	0.08	2.03	2.10	0.07	0.38	0.45	255	9,019	9,275	26.2	0.95	275	10,488
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.89	9.06	4.67	23.3	0.06	0.08	1.82	1.90	0.08	0.34	0.42	255	8,343	8,598	26.2	0.89	284	9,802
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.53	1.65	0.85	4.25	0.01	0.01	0.33	0.35	0.01	0.06	0.08	42.3	1,381	1,424	4.33	0.15	47.0	1,623

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.70	1.48	4.78	19.9	0.07	0.08	2.03	2.10	0.07	0.38	0.45	—	7,678	7,678	0.20	0.63	25.2	7,897
Area	2.08	8.40	0.10	11.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48.1	48.1	< 0.005	< 0.005	—	49.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,235	1,235	0.12	0.01	—	1,242
Water	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
Waste	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Total	3.78	9.88	4.88	31.6	0.07	0.09	2.03	2.12	0.09	0.38	0.47	255	9,379	9,634	26.2	0.95	299	10,871
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.64	1.42	5.06	16.4	0.07	0.08	2.03	2.10	0.07	0.38	0.45	—	7,367	7,367	0.20	0.64	0.65	7,564
Area	—	6.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,235	1,235	0.12	0.01	—	1,242
Water	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
Waste	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Total	1.64	7.89	5.06	16.4	0.07	0.08	2.03	2.10	0.07	0.38	0.45	255	9,019	9,275	26.2	0.95	275	10,488
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.47	1.27	4.60	15.3	0.06	0.07	1.82	1.89	0.07	0.34	0.41	—	6,657	6,657	0.18	0.58	9.79	6,844
Area	1.42	7.79	0.07	8.01	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.9	32.9	< 0.005	< 0.005	—	33.9
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,235	1,235	0.12	0.01	—	1,242
Water	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
Waste	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274

Total	2.89	9.06	4.67	23.3	0.06	0.08	1.82	1.90	0.08	0.34	0.42	255	8,343	8,598	26.2	0.89	284	9,802
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.27	0.23	0.84	2.79	0.01	0.01	0.33	0.34	0.01	0.06	0.07	—	1,102	1,102	0.03	0.10	1.62	1,133
Area	0.26	1.42	0.01	1.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.45	5.45	< 0.005	< 0.005	—	5.61
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	204	204	0.02	< 0.005	—	206
Water	—	—	—	—	—	—	—	—	—	—	—	19.7	69.2	88.9	2.03	0.05	—	154
Waste	—	—	—	—	—	—	—	—	—	—	—	22.6	0.00	22.6	2.25	0.00	—	78.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.4	45.4
Total	0.53	1.65	0.85	4.25	0.01	0.01	0.33	0.35	0.01	0.06	0.08	42.3	1,381	1,424	4.33	0.15	47.0	1,623

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.54	1.39	0.91	18.8	0.04	0.02	1.47	1.49	0.02	0.25	0.27	—	4,070	4,070	0.13	0.09	14.7	4,115
User Defined Industrial	0.17	0.10	3.87	1.15	0.03	0.06	0.55	0.61	0.06	0.13	0.18	—	3,608	3,608	0.06	0.54	10.5	3,782
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.70	1.48	4.78	19.9	0.07	0.08	2.03	2.10	0.07	0.38	0.45	—	7,678	7,678	0.20	0.63	25.2	7,897
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.48	1.33	1.01	15.2	0.04	0.02	1.47	1.49	0.02	0.25	0.27	—	3,757	3,757	0.14	0.10	0.38	3,790
User Defined Industrial	0.16	0.09	4.04	1.17	0.03	0.06	0.55	0.61	0.06	0.13	0.19	—	3,610	3,610	0.06	0.54	0.27	3,773
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.64	1.42	5.06	16.4	0.07	0.08	2.03	2.10	0.07	0.38	0.45	—	7,367	7,367	0.20	0.64	0.65	7,564
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.24	0.22	0.17	2.60	0.01	< 0.005	0.24	0.24	< 0.005	0.04	0.04	—	565	565	0.02	0.02	0.95	571
User Defined Industrial	0.03	0.02	0.67	0.19	0.01	0.01	0.09	0.10	0.01	0.02	0.03	—	537	537	0.01	0.08	0.67	562
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.27	0.23	0.84	2.79	0.01	0.01	0.33	0.34	0.01	0.06	0.07	—	1,102	1,102	0.03	0.10	1.62	1,133

4.2. Energy

4.2.1. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.11	0.01	—	1,189
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	52.5	52.5	< 0.005	< 0.005	—	52.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,235	1,235	0.12	0.01	—	1,242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.11	0.01	—	1,189
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	52.5	52.5	< 0.005	< 0.005	—	52.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,235	1,235	0.12	0.01	—	1,242
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	196	196	0.02	< 0.005	—	197
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.69	8.69	< 0.005	< 0.005	—	8.74
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	204	204	0.02	< 0.005	—	206

4.2.3. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	5.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.08	1.92	0.10	11.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48.1	48.1	< 0.005	< 0.005	—	49.5
Total	2.08	8.40	0.10	11.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48.1	48.1	< 0.005	< 0.005	—	49.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	5.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	6.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.26	0.24	0.01	1.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.45	5.45	< 0.005	< 0.005	—	5.61
Total	0.26	1.42	0.01	1.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.45	5.45	< 0.005	< 0.005	—	5.61

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	19.7	69.2	88.9	2.03	0.05	—	154
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	19.7	69.2	88.9	2.03	0.05	—	154

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	22.6	0.00	22.6	2.25	0.00	—	78.9
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	22.6	0.00	22.6	2.25	0.00	—	78.9

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.4	45.4
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.4	45.4

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	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. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	318	213	197	104,265	5,546	3,709	3,433	1,818,308
User Defined Industrial	60.0	40.1	37.1	19,673	1,254	839	776	411,218
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

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)
0	0.00	403,433	134,478	14,721

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	1,237,825	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00
Parking Lot	54,948	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	62,195,844	2,643,004
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	253	0.00
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2

Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392

Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8

Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—

2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 15.63 acres
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic Analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis
Operations: Energy Use	The Project will not use natural gas

Operations: Refrigerants	Per 17 CCR 95371, new refrigeration equipment containing >50 lbs of refrigerant in new facilities is prohibited from utilizing refrigerants with a GWP of 150 or greater as of 1 Jan 2022

MFBC Building 18 (Operations) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 18 (Operations)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.85642023269851, -117.26415304675538
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	334	1000sqft	8.98	333,648	57,619	0.00	—	—
User Defined Industrial	334	User Defined Unit	0.00	0.00	0.00	0.00	—	—

Parking Lot	280	Space	1.58	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	116	1000sqft	2.66	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations 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.	4.69	12.2	5.96	39.2	0.09	0.11	2.50	2.61	0.11	0.47	0.58	317	11,538	11,855	32.5	1.17	371	13,386
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.03	9.77	6.17	20.3	0.09	0.09	2.50	2.59	0.09	0.47	0.56	317	11,093	11,410	32.5	1.17	341	12,911
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.25	10.9	4.68	25.4	0.07	0.08	1.84	1.92	0.08	0.34	0.43	317	8,779	9,096	32.4	0.97	350	10,545
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.59	1.99	0.85	4.64	0.01	0.01	0.34	0.35	0.02	0.06	0.08	52.5	1,453	1,506	5.37	0.16	57.9	1,746

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.11	1.83	5.83	24.6	0.09	0.09	2.50	2.59	0.09	0.47	0.56	—	9,448	9,448	0.24	0.78	31.1	9,716
Area	2.58	10.4	0.12	14.5	< 0.005	0.02	—	0.02	0.03	—	0.03	—	59.7	59.7	< 0.005	0.01	—	61.4
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,524	1,524	0.14	0.02	—	1,533
Water	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
Waste	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Total	4.69	12.2	5.96	39.2	0.09	0.11	2.50	2.61	0.11	0.47	0.58	317	11,538	11,855	32.5	1.17	371	13,386
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.03	1.75	6.17	20.3	0.09	0.09	2.50	2.59	0.09	0.47	0.56	—	9,062	9,062	0.25	0.79	0.81	9,303
Area	—	8.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,524	1,524	0.14	0.02	—	1,533
Water	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
Waste	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Total	2.03	9.77	6.17	20.3	0.09	0.09	2.50	2.59	0.09	0.47	0.56	317	11,093	11,410	32.5	1.17	341	12,911
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.49	1.28	4.60	15.5	0.06	0.07	1.84	1.91	0.07	0.34	0.41	—	6,707	6,707	0.18	0.58	9.88	6,894
Area	1.77	9.65	0.08	9.94	< 0.005	0.01	—	0.01	0.02	—	0.02	—	40.9	40.9	< 0.005	< 0.005	—	42.1
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,524	1,524	0.14	0.02	—	1,533
Water	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
Waste	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340

Total	3.25	10.9	4.68	25.4	0.07	0.08	1.84	1.92	0.08	0.34	0.43	317	8,779	9,096	32.4	0.97	350	10,545
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.27	0.23	0.84	2.83	0.01	0.01	0.34	0.35	0.01	0.06	0.07	—	1,110	1,110	0.03	0.10	1.64	1,141
Area	0.32	1.76	0.02	1.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.77	6.77	< 0.005	< 0.005	—	6.96
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	252	252	0.02	< 0.005	—	254
Water	—	—	—	—	—	—	—	—	—	—	—	24.5	83.8	108	2.52	0.06	—	189
Waste	—	—	—	—	—	—	—	—	—	—	—	28.0	0.00	28.0	2.80	0.00	—	97.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	0.59	1.99	0.85	4.64	0.01	0.01	0.34	0.35	0.02	0.06	0.08	52.5	1,453	1,506	5.37	0.16	57.9	1,746

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.90	1.72	1.13	23.2	0.05	0.02	1.83	1.85	0.02	0.31	0.33	—	5,042	5,042	0.16	0.11	18.3	5,099
User Defined Industrial	0.20	0.12	4.71	1.40	0.04	0.07	0.67	0.74	0.07	0.16	0.22	—	4,406	4,406	0.08	0.66	12.8	4,617
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.11	1.83	5.83	24.6	0.09	0.09	2.50	2.59	0.09	0.47	0.56	—	9,448	9,448	0.24	0.78	31.1	9,716
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.83	1.64	1.25	18.9	0.05	0.02	1.83	1.85	0.02	0.31	0.33	—	4,655	4,655	0.17	0.12	0.47	4,696
User Defined Industrial	0.20	0.11	4.92	1.42	0.04	0.07	0.67	0.74	0.07	0.16	0.22	—	4,407	4,407	0.08	0.66	0.33	4,607
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.03	1.75	6.17	20.3	0.09	0.09	2.50	2.59	0.09	0.47	0.56	—	9,062	9,062	0.25	0.79	0.81	9,303
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.24	0.22	0.17	2.64	0.01	< 0.005	0.25	0.25	< 0.005	0.04	0.04	—	574	574	0.02	0.02	0.96	580
User Defined Industrial	0.03	0.02	0.67	0.19	0.01	0.01	0.09	0.10	0.01	0.02	0.03	—	537	537	0.01	0.08	0.68	562
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.27	0.23	0.84	2.83	0.01	0.01	0.34	0.35	0.01	0.06	0.07	—	1,110	1,110	0.03	0.10	1.64	1,141

4.2. Energy

4.2.1. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,467	1,467	0.14	0.02	—	1,475
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	57.6	57.6	0.01	< 0.005	—	57.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,524	1,524	0.14	0.02	—	1,533
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,467	1,467	0.14	0.02	—	1,475
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	57.6	57.6	0.01	< 0.005	—	57.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,524	1,524	0.14	0.02	—	1,533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	243	243	0.02	< 0.005	—	244
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	9.53	9.53	< 0.005	< 0.005	—	9.59
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	252	252	0.02	< 0.005	—	254

4.2.3. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.58	2.38	0.12	14.5	< 0.005	0.02	—	0.02	0.03	—	0.03	—	59.7	59.7	< 0.005	0.01	—	61.4
Total	2.58	10.4	0.12	14.5	< 0.005	0.02	—	0.02	0.03	—	0.03	—	59.7	59.7	< 0.005	0.01	—	61.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	8.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.32	0.30	0.02	1.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.77	6.77	< 0.005	< 0.005	—	6.96
Total	0.32	1.76	0.02	1.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.77	6.77	< 0.005	< 0.005	—	6.96

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	24.5	83.8	108	2.52	0.06	—	189
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	24.5	83.8	108	2.52	0.06	—	189

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	28.0	0.00	28.0	2.80	0.00	—	97.9
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	28.0	0.00	28.0	2.80	0.00	—	97.9

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	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. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	394	42.1	16.8	105,799	6,871	735	294	1,845,055
User Defined Industrial	74.0	7.91	3.17	19,871	1,534	164	65.7	412,009
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

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)
0	0.00	500,472	166,824	11,091

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	1,535,565	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00
Parking Lot	60,291	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	77,156,100	913,590
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	314	0.00
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2

Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392

Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8

Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—

2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 13.23 acres
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic Analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis
Operations: Energy Use	The Project will not use natural gas

Operations: Refrigerants	Per 17 CCR 95371, new refrigeration equipment containing >50 lbs of refrigerant in new facilities is prohibited from utilizing refrigerants with a GWP of 150 or greater as of 1 Jan 2022

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APPENDIX 2.3:

CALEEMOD PROJECT LOCALIZED OPERATIONAL EMISSIONS MODEL OUTPUTS

MFBC Building 13 (Localized Operations) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 13 (Localized Operations)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.8463645366747, -117.25831888936246
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	323	1000sqft	11.2	322,997	162,890	0.00	—	—
User Defined Industrial	323	User Defined Unit	0.00	0.00	0.00	0.00	—	—

Parking Lot	311	Space	1.88	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	199	1000sqft	4.57	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations 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.	3.72	11.2	1.20	17.6	0.01	0.02	0.09	0.12	0.03	0.02	0.05	307	2,521	2,827	31.3	0.44	330	4,072
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.15	8.87	1.15	3.81	< 0.005	0.01	0.09	0.10	< 0.005	0.02	0.02	307	2,450	2,757	31.3	0.44	329	3,999
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.73	10.3	1.10	13.1	< 0.005	0.02	0.08	0.10	0.02	0.02	0.04	307	2,444	2,750	31.3	0.43	330	3,992
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.50	1.88	0.20	2.39	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	50.8	405	455	5.18	0.07	54.6	661

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.22	1.16	1.09	3.58	< 0.005	0.01	0.09	0.10	< 0.005	0.02	0.02	—	476	476	0.08	0.06	1.13	498
Area	2.50	10.1	0.12	14.0	< 0.005	0.02	—	0.02	0.02	—	0.02	—	57.8	57.8	< 0.005	0.01	—	59.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,488	1,488	0.14	0.02	—	1,497
Water	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Total	3.72	11.2	1.20	17.6	0.01	0.02	0.09	0.12	0.03	0.02	0.05	307	2,521	2,827	31.3	0.44	330	4,072
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.15	1.09	1.15	3.81	< 0.005	0.01	0.09	0.10	< 0.005	0.02	0.02	—	463	463	0.09	0.07	0.03	485
Area	—	7.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,488	1,488	0.14	0.02	—	1,497
Water	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Total	1.15	8.87	1.15	3.81	< 0.005	0.01	0.09	0.10	< 0.005	0.02	0.02	307	2,450	2,757	31.3	0.44	329	3,999
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.02	0.97	1.02	3.46	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.02	—	417	417	0.08	0.06	0.44	437
Area	1.71	9.35	0.08	9.62	< 0.005	0.01	—	0.01	0.02	—	0.02	—	39.6	39.6	< 0.005	< 0.005	—	40.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,488	1,488	0.14	0.02	—	1,497
Water	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329

Total	2.73	10.3	1.10	13.1	< 0.005	0.02	0.08	0.10	0.02	0.02	0.04	307	2,444	2,750	31.3	0.43	330	3,992
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.19	0.18	0.19	0.63	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	69.0	69.0	0.01	0.01	0.07	72.3
Area	0.31	1.71	0.01	1.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.55	6.55	< 0.005	< 0.005	—	6.74
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	246	246	0.02	< 0.005	—	248
Water	—	—	—	—	—	—	—	—	—	—	—	23.7	82.6	106	2.44	0.06	—	185
Waste	—	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.71	0.00	—	94.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	54.5	54.5
Total	0.50	1.88	0.20	2.39	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	50.8	405	455	5.18	0.07	54.6	661

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.15	1.12	0.25	3.03	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	257	257	0.06	0.03	0.71	268
User Defined Industrial	0.07	0.04	0.84	0.55	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	218	218	0.02	0.03	0.42	230
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.22	1.16	1.09	3.58	< 0.005	0.01	0.09	0.10	< 0.005	0.02	0.02	—	476	476	0.08	0.06	1.13	498
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.09	1.05	0.27	3.24	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	243	243	0.07	0.03	0.02	254
User Defined Industrial	0.06	0.04	0.88	0.57	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	220	220	0.02	0.03	0.01	231
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.15	1.09	1.15	3.81	< 0.005	0.01	0.09	0.10	< 0.005	0.02	0.02	—	463	463	0.09	0.07	0.03	485
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.18	0.17	0.04	0.54	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.4	36.4	0.01	< 0.005	0.05	38.1
User Defined Industrial	0.01	0.01	0.14	0.09	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	32.6	32.6	< 0.005	0.01	0.03	34.2
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.19	0.18	0.19	0.63	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	69.0	69.0	0.01	0.01	0.07	72.3

4.2. Energy

4.2.1. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,420	1,420	0.13	0.02	—	1,428
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	68.5	68.5	0.01	< 0.005	—	68.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,488	1,488	0.14	0.02	—	1,497
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,420	1,420	0.13	0.02	—	1,428
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	68.5	68.5	0.01	< 0.005	—	68.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,488	1,488	0.14	0.02	—	1,497
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	235	235	0.02	< 0.005	—	236
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3	< 0.005	< 0.005	—	11.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	246	246	0.02	< 0.005	—	248

4.2.3. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.50	2.30	0.12	14.0	< 0.005	0.02	—	0.02	0.02	—	0.02	—	57.8	57.8	< 0.005	0.01	—	59.5
Total	2.50	10.1	0.12	14.0	< 0.005	0.02	—	0.02	0.02	—	0.02	—	57.8	57.8	< 0.005	0.01	—	59.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	7.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.31	0.29	0.01	1.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.55	6.55	< 0.005	< 0.005	—	6.74
Total	0.31	1.71	0.01	1.76	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.55	6.55	< 0.005	< 0.005	—	6.74

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	143	499	642	14.7	0.35	—	1,116
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	23.7	82.6	106	2.44	0.06	—	185
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	23.7	82.6	106	2.44	0.06	—	185

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	572
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.71	0.00	—	94.8
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	27.1	0.00	27.1	2.71	0.00	—	94.8

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	329	329
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	54.5	54.5
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	54.5	54.5

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	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. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	382	255	236	125,244	267	179	166	87,671
User Defined Industrial	72.0	48.2	44.6	23,606	50.4	33.7	31.2	16,524
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

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)
0	0.00	484,496	161,499	16,853

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	1,486,546	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00
Parking Lot	71,738	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	74,693,056	2,582,737
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	304	0.00
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2

Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392

Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8

Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—

2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 17.61 acres
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic Analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis
Operations: Energy Use	The Project will not use natural gas

Operations: Refrigerants	Per 17 CCR 95371, new refrigeration equipment containing >50 lbs of refrigerant in new facilities is prohibited from utilizing refrigerants with a GWP of 150 or greater as of 1 Jan 2022

MFBC Building 14 (Localized Operations) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 14 (Localized Operations)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.849507171303635, -117.25967678848663
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	355	1000sqft	12.5	354,583	189,366	0.00	—	—
User Defined Industrial	355	User Defined Unit	0.00	0.00	0.00	0.00	—	—

Parking Lot	269	Space	1.34	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	224	1000sqft	5.13	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations 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.	4.13	12.4	2.91	20.2	0.01	0.03	0.14	0.17	0.04	0.03	0.07	337	3,139	3,476	34.4	0.55	363	4,862
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.31	9.74	2.93	5.07	0.01	0.01	0.14	0.15	0.01	0.03	0.04	337	3,066	3,403	34.4	0.54	361	4,786
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.83	11.1	2.19	14.3	0.01	0.02	0.10	0.12	0.03	0.02	0.05	337	2,865	3,202	34.4	0.51	362	4,575
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.52	2.03	0.40	2.61	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	55.8	474	530	5.69	0.08	59.9	757

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.39	1.29	2.78	4.79	0.01	0.01	0.14	0.15	0.01	0.03	0.04	—	920	920	0.12	0.13	1.99	965
Area	2.74	11.1	0.13	15.4	< 0.005	0.02	—	0.02	0.03	—	0.03	—	63.4	63.4	< 0.005	0.01	—	65.3
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,608	1,608	0.15	0.02	—	1,617
Water	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
Waste	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Total	4.13	12.4	2.91	20.2	0.01	0.03	0.14	0.17	0.04	0.03	0.07	337	3,139	3,476	34.4	0.55	363	4,862
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.31	1.21	2.93	5.07	0.01	0.01	0.14	0.15	0.01	0.03	0.04	—	910	910	0.13	0.14	0.05	954
Area	—	8.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,608	1,608	0.15	0.02	—	1,617
Water	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
Waste	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Total	1.31	9.74	2.93	5.07	0.01	0.01	0.14	0.15	0.01	0.03	0.04	337	3,066	3,403	34.4	0.54	361	4,786
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.95	0.88	2.10	3.72	0.01	0.01	0.10	0.11	0.01	0.02	0.03	—	666	666	0.10	0.10	0.63	698
Area	1.88	10.3	0.09	10.6	< 0.005	0.01	—	0.01	0.02	—	0.02	—	43.4	43.4	< 0.005	< 0.005	—	44.7
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,608	1,608	0.15	0.02	—	1,617
Water	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
Waste	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361

Total	2.83	11.1	2.19	14.3	0.01	0.02	0.10	0.12	0.03	0.02	0.05	337	2,865	3,202	34.4	0.51	362	4,575
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.17	0.16	0.38	0.68	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	110	110	0.02	0.02	0.10	116
Area	0.34	1.87	0.02	1.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.19	7.19	< 0.005	< 0.005	—	7.40
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	266	266	0.03	< 0.005	—	268
Water	—	—	—	—	—	—	—	—	—	—	—	26.0	90.8	117	2.68	0.06	—	203
Waste	—	—	—	—	—	—	—	—	—	—	—	29.7	0.00	29.7	2.97	0.00	—	104
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.8	59.8
Total	0.52	2.03	0.40	2.61	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	55.8	474	530	5.69	0.08	59.9	757

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.19	1.16	0.26	3.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.01	0.01	—	265	265	0.06	0.03	0.73	277
User Defined Industrial	0.20	0.13	2.52	1.66	0.01	0.01	0.07	0.07	0.01	0.02	0.02	—	655	655	0.06	0.10	1.26	688
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.39	1.29	2.78	4.79	0.01	0.01	0.14	0.15	0.01	0.03	0.04	—	920	920	0.12	0.13	1.99	965
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.12	1.09	0.27	3.35	< 0.005	< 0.005	0.07	0.08	< 0.005	0.01	0.01	—	250	250	0.07	0.03	0.02	262
User Defined Industrial	0.19	0.12	2.65	1.72	0.01	0.01	0.07	0.07	0.01	0.02	0.02	—	660	660	0.06	0.10	0.03	692
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.31	1.21	2.93	5.07	0.01	0.01	0.14	0.15	0.01	0.03	0.04	—	910	910	0.13	0.14	0.05	954
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.15	0.14	0.04	0.45	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.6	30.6	0.01	< 0.005	0.04	32.0
User Defined Industrial	0.03	0.02	0.35	0.23	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	79.6	79.6	0.01	0.01	0.07	83.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.17	0.16	0.38	0.68	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	110	110	0.02	0.02	0.10	116

4.2. Energy

4.2.1. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,559	1,559	0.15	0.02	—	1,568
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	< 0.005	< 0.005	—	49.1
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,608	1,608	0.15	0.02	—	1,617
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,559	1,559	0.15	0.02	—	1,568
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	< 0.005	< 0.005	—	49.1
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,608	1,608	0.15	0.02	—	1,617
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	258	258	0.02	< 0.005	—	260
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.09	8.09	< 0.005	< 0.005	—	8.13
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	266	266	0.03	< 0.005	—	268

4.2.3. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.74	2.53	0.13	15.4	< 0.005	0.02	—	0.02	0.03	—	0.03	—	63.4	63.4	< 0.005	0.01	—	65.3
Total	2.74	11.1	0.13	15.4	< 0.005	0.02	—	0.02	0.03	—	0.03	—	63.4	63.4	< 0.005	0.01	—	65.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	0.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	8.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.34	0.32	0.02	1.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.19	7.19	< 0.005	< 0.005	—	7.40
Total	0.34	1.87	0.02	1.93	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.19	7.19	< 0.005	< 0.005	—	7.40

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	157	548	706	16.2	0.39	—	1,226
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	26.0	90.8	117	2.68	0.06	—	203
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	26.0	90.8	117	2.68	0.06	—	203

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	180	0.00	180	18.0	0.00	—	628
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	29.7	0.00	29.7	2.97	0.00	—	104
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	29.7	0.00	29.7	2.97	0.00	—	104

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	361	361
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.8	59.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	59.8	59.8

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	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. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	394	34.5	13.8	105,241	276	24.1	9.66	73,669
User Defined Industrial	214	18.7	7.48	57,157	150	13.1	5.24	40,010
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

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)
0	0.00	531,875	177,292	16,920

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	1,631,916	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00
Parking Lot	51,132	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	81,997,319	3,002,533
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	333	0.00
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2

Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392

Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8

Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—

2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 18.96 acres
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic Analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis
Operations: Energy Use	The Project will not use natural gas

Operations: Refrigerants	Per 17 CCR 95371, new refrigeration equipment containing >50 lbs of refrigerant in new facilities is prohibited from utilizing refrigerants with a GWP of 150 or greater as of 1 Jan 2022

MFBC Building 17 (Localized Operations) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 17 (Localized Operations)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.856453754053824, -117.25956342190489
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	269	1000sqft	10.0	268,955	166,691	0.00	—	—
User Defined Industrial	269	User Defined Unit	0.00	0.00	0.00	0.00	—	—

Parking Lot	261	Space	1.44	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	183	1000sqft	4.19	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations 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.	3.09	9.36	1.00	14.6	< 0.005	0.02	0.07	0.09	0.02	0.01	0.04	255	2,059	2,315	26.1	0.36	275	3,350
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.96	7.39	0.95	3.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.02	255	2,002	2,258	26.1	0.36	274	3,291
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.27	8.60	0.91	10.8	< 0.005	0.01	0.06	0.07	0.02	0.01	0.03	255	2,001	2,256	26.1	0.36	274	3,289
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.42	1.57	0.17	1.98	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	42.3	331	373	4.31	0.06	45.4	545

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.01	0.97	0.90	2.89	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.02	—	359	359	0.07	0.05	0.81	376
Area	2.08	8.40	0.10	11.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48.1	48.1	< 0.005	< 0.005	—	49.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,235	1,235	0.12	0.01	—	1,242
Water	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
Waste	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Total	3.09	9.36	1.00	14.6	< 0.005	0.02	0.07	0.09	0.02	0.01	0.04	255	2,059	2,315	26.1	0.36	275	3,350
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.96	0.91	0.95	3.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.02	—	350	350	0.07	0.05	0.02	367
Area	—	6.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,235	1,235	0.12	0.01	—	1,242
Water	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
Waste	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Total	0.96	7.39	0.95	3.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.02	255	2,002	2,258	26.1	0.36	274	3,291
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.85	0.81	0.84	2.82	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.01	—	315	315	0.07	0.05	0.31	331
Area	1.42	7.79	0.07	8.01	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.9	32.9	< 0.005	< 0.005	—	33.9
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,235	1,235	0.12	0.01	—	1,242
Water	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
Waste	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274

Total	2.27	8.60	0.91	10.8	< 0.005	0.01	0.06	0.07	0.02	0.01	0.03	255	2,001	2,256	26.1	0.36	274	3,289
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.16	0.15	0.15	0.51	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	52.1	52.1	0.01	0.01	0.05	54.8
Area	0.26	1.42	0.01	1.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.45	5.45	< 0.005	< 0.005	—	5.61
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	204	204	0.02	< 0.005	—	206
Water	—	—	—	—	—	—	—	—	—	—	—	19.7	69.2	88.9	2.03	0.05	—	154
Waste	—	—	—	—	—	—	—	—	—	—	—	22.6	0.00	22.6	2.25	0.00	—	78.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.4	45.4
Total	0.42	1.57	0.17	1.98	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	42.3	331	373	4.31	0.06	45.4	545

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.95	0.93	0.20	2.43	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	191	191	0.05	0.02	0.51	200
User Defined Industrial	0.06	0.04	0.70	0.47	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	167	167	0.02	0.03	0.30	176
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.01	0.97	0.90	2.89	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.02	—	359	359	0.07	0.05	0.81	376
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.90	0.88	0.22	2.63	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	181	181	0.05	0.03	0.01	190
User Defined Industrial	0.05	0.03	0.73	0.48	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	169	169	0.02	0.03	0.01	177
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.96	0.91	0.95	3.11	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.02	—	350	350	0.07	0.05	0.02	367
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.15	0.14	0.04	0.44	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.1	27.1	0.01	< 0.005	0.03	28.5
User Defined Industrial	0.01	0.01	0.12	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	25.0	25.0	< 0.005	< 0.005	0.02	26.3
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.16	0.15	0.15	0.51	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	52.1	52.1	0.01	0.01	0.05	54.8

4.2. Energy

4.2.1. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.11	0.01	—	1,189
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	52.5	52.5	< 0.005	< 0.005	—	52.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,235	1,235	0.12	0.01	—	1,242
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,182	1,182	0.11	0.01	—	1,189
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	52.5	52.5	< 0.005	< 0.005	—	52.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,235	1,235	0.12	0.01	—	1,242
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	196	196	0.02	< 0.005	—	197
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.69	8.69	< 0.005	< 0.005	—	8.74
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	204	204	0.02	< 0.005	—	206

4.2.3. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	5.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.08	1.92	0.10	11.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48.1	48.1	< 0.005	< 0.005	—	49.5
Total	2.08	8.40	0.10	11.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	48.1	48.1	< 0.005	< 0.005	—	49.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	5.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	6.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.26	0.24	0.01	1.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.45	5.45	< 0.005	< 0.005	—	5.61
Total	0.26	1.42	0.01	1.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.45	5.45	< 0.005	< 0.005	—	5.61

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	119	418	537	12.3	0.30	—	931
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	19.7	69.2	88.9	2.03	0.05	—	154
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	19.7	69.2	88.9	2.03	0.05	—	154

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	136	0.00	136	13.6	0.00	—	477
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	22.6	0.00	22.6	2.25	0.00	—	78.9
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	22.6	0.00	22.6	2.25	0.00	—	78.9

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	274	274
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.4	45.4
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45.4	45.4

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	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. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	318	213	197	104,265	191	128	118	62,559
User Defined Industrial	60.0	40.1	37.1	19,673	36.0	24.1	22.3	11,804
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

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)
0	0.00	403,433	134,478	14,721

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	1,237,825	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00
Parking Lot	54,948	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	62,195,844	2,643,004
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	253	0.00
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2

Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392

Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8

Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—

2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 15.63 acres
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic Analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis
Operations: Energy Use	The Project will not use natural gas

Operations: Refrigerants	Per 17 CCR 95371, new refrigeration equipment containing >50 lbs of refrigerant in new facilities is prohibited from utilizing refrigerants with a GWP of 150 or greater as of 1 Jan 2022

MFBC Building 18 (Localized Operations) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	MFBC Building 18 (Localized Operations)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.85642023269851, -117.26415304675538
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5479
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

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
Unrefrigerated Warehouse-No Rail	334	1000sqft	8.98	333,648	57,619	0.00	—	—
User Defined Industrial	334	User Defined Unit	0.00	0.00	0.00	0.00	—	—

Parking Lot	280	Space	1.58	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	116	1000sqft	2.66	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations 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.	3.84	11.6	1.25	18.2	0.01	0.02	0.10	0.12	0.03	0.02	0.05	317	2,582	2,899	32.3	0.46	341	4,184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.19	9.15	1.19	3.94	< 0.005	0.01	0.10	0.10	0.01	0.02	0.02	317	2,509	2,826	32.3	0.45	340	4,109
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.63	10.5	0.95	12.9	< 0.005	0.02	0.07	0.09	0.02	0.01	0.03	317	2,424	2,741	32.3	0.44	340	4,020
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.48	1.91	0.17	2.35	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	52.5	401	454	5.35	0.07	56.4	666

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.26	1.20	1.13	3.70	< 0.005	0.01	0.10	0.10	< 0.005	0.02	0.02	—	492	492	0.08	0.07	1.17	515
Area	2.58	10.4	0.12	14.5	< 0.005	0.02	—	0.02	0.03	—	0.03	—	59.7	59.7	< 0.005	0.01	—	61.4
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,524	1,524	0.14	0.02	—	1,533
Water	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
Waste	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Total	3.84	11.6	1.25	18.2	0.01	0.02	0.10	0.12	0.03	0.02	0.05	317	2,582	2,899	32.3	0.46	341	4,184
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.19	1.13	1.19	3.94	< 0.005	0.01	0.10	0.10	0.01	0.02	0.02	—	479	479	0.09	0.07	0.03	501
Area	—	8.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,524	1,524	0.14	0.02	—	1,533
Water	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
Waste	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Total	1.19	9.15	1.19	3.94	< 0.005	0.01	0.10	0.10	0.01	0.02	0.02	317	2,509	2,826	32.3	0.45	340	4,109
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.86	0.82	0.86	2.93	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.02	—	353	353	0.07	0.05	0.37	370
Area	1.77	9.65	0.08	9.94	< 0.005	0.01	—	0.01	0.02	—	0.02	—	40.9	40.9	< 0.005	< 0.005	—	42.1
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,524	1,524	0.14	0.02	—	1,533
Water	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
Waste	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340

Total	2.63	10.5	0.95	12.9	< 0.005	0.02	0.07	0.09	0.02	0.01	0.03	317	2,424	2,741	32.3	0.44	340	4,020
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.16	0.15	0.16	0.53	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	58.4	58.4	0.01	0.01	0.06	61.2
Area	0.32	1.76	0.02	1.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.77	6.77	< 0.005	< 0.005	—	6.96
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	252	252	0.02	< 0.005	—	254
Water	—	—	—	—	—	—	—	—	—	—	—	24.5	83.8	108	2.52	0.06	—	189
Waste	—	—	—	—	—	—	—	—	—	—	—	28.0	0.00	28.0	2.80	0.00	—	97.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	0.48	1.91	0.17	2.35	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	52.5	401	454	5.35	0.07	56.4	666

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.19	1.16	0.26	3.13	< 0.005	< 0.005	0.07	0.08	< 0.005	0.01	0.01	—	265	265	0.06	0.03	0.73	277
User Defined Industrial	0.07	0.05	0.87	0.57	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	226	226	0.02	0.04	0.43	238
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.26	1.20	1.13	3.70	< 0.005	0.01	0.10	0.10	< 0.005	0.02	0.02	—	492	492	0.08	0.07	1.17	515
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.12	1.09	0.27	3.35	< 0.005	< 0.005	0.07	0.08	< 0.005	0.01	0.01	—	250	250	0.07	0.03	0.02	262
User Defined Industrial	0.07	0.04	0.92	0.59	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	228	228	0.02	0.04	0.01	239
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.19	1.13	1.19	3.94	< 0.005	0.01	0.10	0.10	0.01	0.02	0.02	—	479	479	0.09	0.07	0.03	501
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.15	0.14	0.04	0.46	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.8	30.8	0.01	< 0.005	0.04	32.2
User Defined Industrial	0.01	0.01	0.12	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	27.7	27.7	< 0.005	< 0.005	0.02	29.0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.16	0.15	0.16	0.53	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	58.4	58.4	0.01	0.01	0.06	61.2

4.2. Energy

4.2.1. Electricity Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,467	1,467	0.14	0.02	—	1,475
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	57.6	57.6	0.01	< 0.005	—	57.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,524	1,524	0.14	0.02	—	1,533
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,467	1,467	0.14	0.02	—	1,475
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	57.6	57.6	0.01	< 0.005	—	57.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,524	1,524	0.14	0.02	—	1,533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	243	243	0.02	< 0.005	—	244
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	9.53	9.53	< 0.005	< 0.005	—	9.59
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	252	252	0.02	< 0.005	—	254

4.2.3. Natural Gas Emissions By Land Use - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.58	2.38	0.12	14.5	< 0.005	0.02	—	0.02	0.03	—	0.03	—	59.7	59.7	< 0.005	0.01	—	61.4
Total	2.58	10.4	0.12	14.5	< 0.005	0.02	—	0.02	0.03	—	0.03	—	59.7	59.7	< 0.005	0.01	—	61.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	8.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.32	0.30	0.02	1.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.77	6.77	< 0.005	< 0.005	—	6.96
Total	0.32	1.76	0.02	1.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.77	6.77	< 0.005	< 0.005	—	6.96

4.4. Water Emissions by Land Use

4.4.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	148	506	654	15.2	0.37	—	1,143
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	24.5	83.8	108	2.52	0.06	—	189
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	24.5	83.8	108	2.52	0.06	—	189

4.5. Waste Emissions by Land Use

4.5.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	28.0	0.00	28.0	2.80	0.00	—	97.9
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	28.0	0.00	28.0	2.80	0.00	—	97.9

4.6. Refrigerant Emissions by Land Use

4.6.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	340	340
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.3	56.3

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	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. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	394	42.1	16.8	105,799	276	29.5	11.8	74,059
User Defined Industrial	74.0	7.91	3.17	19,871	51.8	5.54	2.22	13,910
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

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)
0	0.00	500,472	166,824	11,091

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	1,535,565	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00
Parking Lot	60,291	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	77,156,100	913,590
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	314	0.00
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Unrefrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

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. Biomass Cover Type

5.18.1.1. Unmitigated

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)

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	29.1	annual days of extreme heat
Extreme Precipitation	2.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.94	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 (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth 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 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	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	N/A	N/A	N/A	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 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	97.0
AQ-PM	59.4
AQ-DPM	37.5
Drinking Water	9.23
Lead Risk Housing	47.7
Pesticides	62.1
Toxic Releases	42.9
Traffic	88.8
Effect Indicators	—
CleanUp Sites	86.7
Groundwater	47.4
Haz Waste Facilities/Generators	10.2

Impaired Water Bodies	0.00
Solid Waste	52.9
Sensitive Population	—
Asthma	60.6
Cardio-vascular	85.8
Low Birth Weights	31.7
Socioeconomic Factor Indicators	—
Education	87.7
Housing	81.3
Linguistic	64.8
Poverty	83.3
Unemployment	60.6

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	6.351854228
Employed	6.03105351
Median HI	12.11343513
Education	—
Bachelor's or higher	2.912870525
High school enrollment	14.38470422
Preschool enrollment	8.892595919
Transportation	—
Auto Access	50.17323239
Active commuting	15.14179392

Social	—
2-parent households	34.73630181
Voting	3.888104709
Neighborhood	—
Alcohol availability	71.10227127
Park access	2.194276915
Retail density	13.39663801
Supermarket access	2.399589375
Tree canopy	1.013730271
Housing	—
Homeownership	46.10547928
Housing habitability	18.85025022
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	7.994353907
Uncrowded housing	6.73681509
Health Outcomes	—
Insured adults	2.810214295
Arthritis	0.0
Asthma ER Admissions	42.6
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	16.2
Cognitively Disabled	44.8

Physically Disabled	41.1
Heart Attack ER Admissions	12.7
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	86.0
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	0.0
SLR Inundation Area	0.0
Children	51.6
Elderly	79.3
English Speaking	32.3
Foreign-born	68.1
Outdoor Workers	7.0
Climate Change Adaptive Capacity	—
Impervious Surface Cover	94.5
Traffic Density	80.7
Traffic Access	23.0
Other Indices	—
Hardship	97.3
Other Decision Support	—

2016 Voting	8.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
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
Land Use	Total Project area is 13.23 acres
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic Analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic Analysis
Operations: Energy Use	The Project will not use natural gas

Operations: Refrigerants	Per 17 CCR 95371, new refrigeration equipment containing >50 lbs of refrigerant in new facilities is prohibited from utilizing refrigerants with a GWP of 150 or greater as of 1 Jan 2022

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APPENDIX 2.4:

AERMOD LST MODELING INPUTS/OUTPUTS

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**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Cons CO\13697 Cons CO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2189641 Riverside_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Cons CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
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   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.2850702048     5.000    44.819     1.400
   SRCPARAM B13_2        0.2850702048     5.000    44.819     1.400
   SRCPARAM B14_1        0.0950234016     5.000    27.337     1.400
   SRCPARAM B14_2        0.0950234016     5.000    27.337     1.400
   SRCPARAM B14_3        0.0950234016     5.000    27.337     1.400
   SRCPARAM B14_4        0.0950234016     5.000    27.337     1.400
   SRCPARAM B14_5        0.0950234016     5.000    27.337     1.400
   SRCPARAM B14_6        0.0950234016     5.000    27.337     1.400
   SRCPARAM B17_1        0.2850702048     5.000    44.726     1.400
   SRCPARAM B17_2        0.2850702048     5.000    44.726     1.400
   SRCPARAM B18_1        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_2        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_3        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_4        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_5        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_6        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_7        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_8        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_9        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_10       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_11       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_12       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_13       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_14       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_15       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_16       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_17       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_18       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_19       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_20       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_21       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_22       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_23       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_24       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_25       0.0228056164     5.000    12.365     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT B18_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_7        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_8        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_9        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_10       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_11       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_12       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_13       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_14       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_15       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_16       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_17       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_18       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_19       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_20       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_21       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_22       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT B18_23       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_24       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_25       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Cons CO.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
```

```
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   PLOTFILE 1 ALL 1ST "13697 CONS CO.AD\1H_ALL.PLT" 31
   PLOTFILE 8 ALL 1ST "13697 CONS CO.AD\8H_ALL.PLT" 32
   PLOTFILE 8 B13 1ST "13697 CONS CO.AD\8H_B13.PLT" 33
   PLOTFILE 1 B13 1ST "13697 CONS CO.AD\1H_B13.PLT" 34
   PLOTFILE 1 B14 1ST "13697 CONS CO.AD\1H_B14.PLT" 35
   PLOTFILE 8 B14 1ST "13697 CONS CO.AD\8H_B14.PLT" 36
   PLOTFILE 8 B17 1ST "13697 CONS CO.AD\8H_B17.PLT" 37
   PLOTFILE 1 B17 1ST "13697 CONS CO.AD\1H_B17.PLT" 38
   PLOTFILE 1 B18 1ST "13697 CONS CO.AD\1H_B18.PLT" 39
   PLOTFILE 8 B18 1ST "13697 CONS CO.AD\8H_B18.PLT" 40
   SUMMFILE "13697 Cons CO.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

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** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Cons CO\13697 Cons CO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2189641 Riverside_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Cons CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
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   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.2850702048     5.000    44.819     1.400
   SRCPARAM B13_2        0.2850702048     5.000    44.819     1.400
   SRCPARAM B14_1        0.0950234016     5.000    27.337     1.400
   SRCPARAM B14_2        0.0950234016     5.000    27.337     1.400
   SRCPARAM B14_3        0.0950234016     5.000    27.337     1.400
   SRCPARAM B14_4        0.0950234016     5.000    27.337     1.400
   SRCPARAM B14_5        0.0950234016     5.000    27.337     1.400
   SRCPARAM B14_6        0.0950234016     5.000    27.337     1.400
   SRCPARAM B17_1        0.2850702048     5.000    44.726     1.400
   SRCPARAM B17_2        0.2850702048     5.000    44.726     1.400
   SRCPARAM B18_1        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_2        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_3        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_4        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_5        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_6        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_7        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_8        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_9        0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_10       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_11       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_12       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_13       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_14       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_15       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_16       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_17       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_18       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_19       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_20       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_21       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_22       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_23       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_24       0.0228056164     5.000    12.365     1.400
   SRCPARAM B18_25       0.0228056164     5.000    12.365     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_7        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_8        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_9        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_10       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_11       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_12       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_13       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_14       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_15       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_16       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_17       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_18       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_19       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_20       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_21       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_22       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_23       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_23       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_24       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_25       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Cons CO.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
```

```
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   PLOTFILE 1 ALL 1ST "13697 CONS CO.AD\1H_ALL.PLT" 31
   PLOTFILE 8 ALL 1ST "13697 CONS CO.AD\8H_ALL.PLT" 32
   PLOTFILE 8 B13 1ST "13697 CONS CO.AD\8H_B13.PLT" 33
   PLOTFILE 1 B13 1ST "13697 CONS CO.AD\1H_B13.PLT" 34
   PLOTFILE 1 B14 1ST "13697 CONS CO.AD\1H_B14.PLT" 35
   PLOTFILE 8 B14 1ST "13697 CONS CO.AD\8H_B14.PLT" 36
   PLOTFILE 8 B17 1ST "13697 CONS CO.AD\8H_B17.PLT" 37
   PLOTFILE 1 B17 1ST "13697 CONS CO.AD\1H_B17.PLT" 38
   PLOTFILE 1 B18 1ST "13697 CONS CO.AD\1H_B18.PLT" 39
   PLOTFILE 8 B18 1ST "13697 CONS CO.AD\8H_B18.PLT" 40
   SUMMFILE "13697 Cons CO.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     667       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     667       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       13:33:18

                      PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - -

 ** 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    35 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
     * CCVR_Sub - Meteorological data includes CCVR substitutions
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Accepts FLAGPOLE Receptor . Heights.
     * The User Specified a Pollutant Type of: CO

**Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR

**This Run Includes:     35 Source(s);       5 Source Group(s); and      78 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     35 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   442.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                Emission Units = GRAMS/SEC                                     ;  Emission Rate
                Unit Factor =   0.10000E+07
                Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      3.6 MB of RAM.

**Input Runstream File:
aermod.inp
**Output Print File:
aermod.out

**Detailed Error/Message File:   13697 Cons
CO.err
**File for Summary of Results:   13697 Cons
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
B13_1	0	0.28507E+00	476101.1	3745262.2	464.0	5.00	44.82	1.40	YES HRDOW
B13_2	0	0.28507E+00	476102.0	3745072.0	465.9	5.00	44.82	1.40	YES HRDOW
B14_1	0	0.95023E-01	475881.8	3745554.6	466.0	5.00	27.34	1.40	YES HRDOW
B14_2	0	0.95023E-01	475881.2	3745437.3	468.2	5.00	27.34	1.40	YES HRDOW
B14_3	0	0.95023E-01	475999.6	3745554.0	464.7	5.00	27.34	1.40	YES HRDOW
B14_4	0	0.95023E-01	476000.0	3745437.7	465.7	5.00	27.34	1.40	YES HRDOW
B14_5	0	0.95023E-01	476071.8	3745548.2	464.0	5.00	27.34	1.40	YES HRDOW
B14_6	0	0.95023E-01	476118.4	3745439.0	463.0	5.00	27.34	1.40	YES HRDOW
B17_1	0	0.28507E+00	475926.0	3746256.1	465.0	5.00	44.73	1.40	YES HRDOW
B17_2	0	0.28507E+00	476070.8	3746258.4	463.0	5.00	44.73	1.40	YES HRDOW
B18_1	0	0.22806E-01	475632.5	3746502.6	469.1	5.00	12.37	1.40	YES HRDOW
B18_2	0	0.22806E-01	475633.4	3746447.8	469.9	5.00	12.37	1.40	YES HRDOW
B18_3	0	0.22806E-01	475638.8	3746403.3	469.7	5.00	12.37	1.40	YES HRDOW
B18_4	0	0.22806E-01	475681.1	3746405.0	469.0	5.00	12.37	1.40	YES HRDOW
B18_5	0	0.22806E-01	475727.7	3746410.8	467.7	5.00	12.37	1.40	YES HRDOW
B18_6	0	0.22806E-01	475775.0	3746409.1	466.4	5.00	12.37	1.40	YES HRDOW
B18_7	0	0.22806E-01	475640.0	3746350.6	469.9	5.00	12.37	1.40	YES HRDOW
B18_8	0	0.22806E-01	475690.3	3746353.5	469.0	5.00	12.37	1.40	YES HRDOW
B18_9	0	0.22806E-01	475774.6	3746355.1	467.2	5.00	12.37	1.40	YES HRDOW
B18_10	0	0.22806E-01	475731.0	3746357.2	468.0	5.00	12.37	1.40	YES HRDOW
B18_11	0	0.22806E-01	475639.2	3746296.6	469.7	5.00	12.37	1.40	YES HRDOW
B18_12	0	0.22806E-01	475689.9	3746300.7	469.0	5.00	12.37	1.40	YES HRDOW
B18_13	0	0.22806E-01	475740.5	3746303.6	468.0	5.00	12.37	1.40	

YES HRDOW								
B18_14	0	0.22806E-01	475774.6	3746301.6	467.2	5.00	12.37	1.40
YES HRDOW								
B18_15	0	0.22806E-01	475637.5	3746242.6	469.8	5.00	12.37	1.40
YES HRDOW								
B18_16	0	0.22806E-01	475683.6	3746246.3	469.1	5.00	12.37	1.40
YES HRDOW								
B18_17	0	0.22806E-01	475729.3	3746245.5	468.0	5.00	12.37	1.40
YES HRDOW								
B18_18	0	0.22806E-01	475774.2	3746248.0	467.2	5.00	12.37	1.40
YES HRDOW								
B18_19	0	0.22806E-01	475635.9	3746187.3	469.3	5.00	12.37	1.40
YES HRDOW								
B18_20	0	0.22806E-01	475689.0	3746191.9	469.0	5.00	12.37	1.40
YES HRDOW								
B18_21	0	0.22806E-01	475740.1	3746192.3	467.7	5.00	12.37	1.40
YES HRDOW								
B18_22	0	0.22806E-01	475775.0	3746192.7	467.1	5.00	12.37	1.40
YES HRDOW								
B18_23	0	0.22806E-01	475689.5	3746183.6	469.0	5.00	12.37	1.40
YES HRDOW								
B18_24	0	0.22806E-01	475743.5	3746185.2	467.4	5.00	12.37	1.40
YES HRDOW								
B18_25	0	0.22806E-01	475771.3	3746185.7	467.1	5.00	12.37	1.40
YES HRDOW								

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
B13	B13_1 , B13_2 ,
B14	B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,
B17	B17_1 , B17_2 ,
B18	B18_1 , B18_2 , B18_3 , B18_4 , B18_5 , B18_6 , B18_7 , B18_8 ,
	B18_9 , B18_10 , B18_11 , B18_12 , B18_13 , B18_14 , B18_15 , B18_16 ,
	B18_17 , B18_18 , B18_19 , B18_20 , B18_21 , B18_22 , B18_23 , B18_24 ,
	B18_25 ,
ALL	B13_1 , B13_2 , B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,
	B17_1 , B17_2 , B18_1 , B18_2 , B18_3 , B18_4 , B18_5 , B18_6 ,
	B18_7 , B18_8 , B18_9 , B18_10 , B18_11 , B18_12 , B18_13 , B18_14 ,

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	B13_1 , B13_2 , B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 , B17_1 , B17_2 , B18_1 , B18_2 , B18_3 , B18_4 , B18_5 , B18_6 , B18_7 , B18_8 , B18_9 , B18_10 , B18_11 , B18_12 , B18_13 , B18_14 , B18_15 , B18_16 , B18_17 , B18_18 , B18_19 , B18_20 , B18_21 , B18_22 , B18_23 , B18_24 , B18_25 ,

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B13_1 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       13:33:18

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B13_2        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       13:33:18

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B14_1        ; 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 = B14_2 ; 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 = B14_3 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        13:33:18

                     PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B14_4        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        13:33:18

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

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
```

(HRDOW) *

SOURCE ID = B14_5 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = B14_6 ; 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 = B17_1 ; 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 = B17_2 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_1 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_2 ; 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

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 = B18_3 ; 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 = B18_4 ; 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  FLGPOL  URBAN  ADJ_U*

                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                     (HRDOW) *

 SOURCE ID = B18_5        ; 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 = B18_6 ; 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 = B18_7 ; 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 = B18_8 ; 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 = B18_9 ; 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 = B18_10 ; 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 = B18_11 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       13:33:18

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_12       ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       13:33:18

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *
```

SOURCE ID = B18_13 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_14 ; 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 = B18_15 ; 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 = B18_16 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       13:33:18

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_17       ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       13:33:18

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_18       ; 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
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```
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

SOURCE ID = B18_19       ; 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  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

SOURCE ID = B18_20       ; 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 = B18_21 ; 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 = B18_22 ; 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 = B18_23 ; 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 = B18_24 ; 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 = B18_25 ; 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													

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

(476395.7, 3744607.8, 462.5, 462.5, 2.0); (476314.7, 3744669.6, 463.2, 463.2, 2.0);
(476332.8, 3744655.3, 463.0, 463.0, 2.0); (476366.0, 3744513.7, 463.2, 463.2, 2.0);
(476245.9, 3744942.5, 463.5, 463.5, 2.0); (476289.5, 3745000.4, 463.0, 463.0, 2.0);
(476288.5, 3745361.6, 461.2, 461.2, 2.0); (475880.7, 3745148.5, 468.0, 468.0, 2.0);
(475796.7, 3745058.2, 469.6, 469.6, 2.0); (475750.0, 3745108.9, 470.0, 470.0, 2.0);
(475798.5, 3745194.1, 469.1, 469.1, 2.0); (475752.4, 3745335.1, 469.9, 469.9, 2.0);
(475776.9, 3745405.8, 470.0, 470.0, 2.0); (475731.8, 3745293.2, 470.6, 470.6, 2.0);
(475784.8, 3745574.2, 467.8, 467.8, 2.0); (475709.8, 3745574.8, 469.3, 469.3, 2.0);
(475708.9, 3745598.8, 469.4, 469.4, 2.0); (475709.4, 3745621.8, 469.2, 469.2, 2.0);
(475709.4, 3745647.0, 469.0, 469.0, 2.0); (475709.1, 3745668.2, 469.0, 469.0, 2.0);
(475710.0, 3745693.7, 469.3, 469.3, 2.0); (475709.4, 3745717.0, 469.4, 469.4, 2.0);
(475709.1, 3745739.8, 469.4, 469.4, 2.0); (475777.8, 3745697.3, 468.0, 468.0, 2.0);
(475785.3, 3745721.7, 467.8, 467.8, 2.0); (475794.2, 3745802.0, 467.5, 467.5, 2.0);
(475778.8, 3745842.0, 468.0, 468.0, 2.0); (475800.0, 3745888.8, 467.3, 467.3, 2.0);
(475790.0, 3745940.2, 467.0, 467.0, 2.0); (475892.2, 3745936.4, 465.2, 465.2, 2.0);
(475893.3, 3746111.5, 465.0, 465.0, 2.0); (476130.1, 3746085.0, 462.0, 462.0, 2.0);
(476129.7, 3745935.0, 462.0, 462.0, 2.0); (475595.7, 3746575.8, 469.1, 469.1, 2.0);
(475911.0, 3746495.7, 464.0, 464.0, 2.0); (475863.3, 3746556.4, 464.5, 464.5, 2.0);
(475594.2, 3746890.1, 468.4, 468.4, 2.0); (476146.4, 3746600.5, 460.7, 460.7, 2.0);
(476082.9, 3746873.9, 459.9, 459.9, 2.0); (475609.1, 3746999.9, 467.0, 467.0, 2.0);
(475745.2, 3747048.2, 464.2, 464.2, 2.0); (475382.0, 3746161.0, 476.1, 476.1, 2.0);
(475411.0, 3746003.0, 475.3, 475.3, 2.0); (474409.0, 3746437.3, 518.9, 524.0, 2.0);
(476290.4, 3746244.9, 460.0, 460.0, 2.0); (476339.3, 3746119.1, 460.0, 460.0, 2.0);

(476311.4, 3746179.4, 460.0, 460.0, 2.0); (476277.8, 3746288.2, 460.0, 460.0, 2.0);
(476333.6, 3746432.9, 459.0, 459.0, 2.0); (476384.2, 3745949.3, 460.0, 460.0, 2.0);
(476360.3, 3745999.4, 460.0, 460.0, 2.0); (476412.9, 3745836.5, 460.0, 460.0, 2.0);
(476404.8, 3745918.6, 460.0, 460.0, 2.0); (476434.1, 3745820.9, 460.0, 460.0, 2.0);
(476454.9, 3745720.5, 459.0, 459.0, 2.0); (475797.4, 3744976.8, 471.0, 471.0, 2.0);
(476060.4, 3744909.2, 466.7, 466.7, 2.0); (475777.3, 3744882.4, 472.0, 472.0, 2.0);
(475781.9, 3744832.1, 471.9, 471.9, 2.0); (475779.6, 3744791.2, 472.0, 472.0, 2.0);
(475786.0, 3744729.8, 472.0, 472.0, 2.0); (475774.6, 3744924.7, 471.8, 471.8, 2.0);
(475782.2, 3744693.9, 472.0, 472.0, 2.0); (475768.2, 3744638.7, 473.0, 473.0, 2.0);
(475787.2, 3744589.0, 472.1, 472.1, 2.0); (475706.3, 3744502.2, 473.1, 473.1, 2.0);
(475780.2, 3744427.1, 473.0, 473.0, 2.0); (475764.1, 3744390.6, 473.5, 473.5, 2.0);
(477060.8, 3744371.8, 455.0, 455.0, 2.0); (476803.5, 3745166.9, 456.0, 456.0, 2.0);
(477112.7, 3745115.0, 453.6, 453.6, 2.0); (477464.4, 3745086.8, 450.0, 450.0, 2.0);
(477531.6, 3745005.5, 450.0, 450.0, 2.0); (475715.5, 3746455.6, 468.1, 468.1, 2.0);
(475792.0, 3746459.3, 466.3, 466.3, 2.0); (475771.3, 3746506.7, 466.3, 466.3, 2.0);
(475775.2, 3746458.3, 466.7, 466.7, 2.0); (475750.4, 3746454.3, 467.0, 467.0, 2.0);

*** 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
```

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 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80	53.	9.1	293.8	5.5
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80	11.	9.1	292.5	5.5

```
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
 351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
 181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
 318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        13:33:18

                      PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR
                             SOURCE GROUP:  B13      ***
                                 INCLUDING SOURCE(S):     B13_1       , B13_2       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
      (M)         CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
        476395.71   3744607.81        7.55890  (11111816)               476314.71
        3744669.61        9.21853  (11111816)
        476332.85   3744655.27        8.89967  (11111816)               476365.97
        3744513.73        5.42192  (14111316)
        476245.90   3744942.48       27.13016  (10121016)               476289.52
        3745000.38       21.50313  (10101916)
        476288.55   3745361.57       21.51882  (10020516)               475880.74
        3745148.55       36.38325  (16010616)
        475796.73   3745058.23       20.40004  (11010316)               475750.05
        3745108.89       17.36976  (16010616)
        475798.54   3745194.08       23.83069  (16010616)               475752.37
        3745335.13       14.08078  (16010616)
        475776.90   3745405.80       11.26196  (10121515)               475731.82
        3745293.23       15.17903  (16010616)
        475784.75   3745574.23       14.14666  (16010516)               475709.78
        3745574.77        8.09390  (16010516)
        475708.88   3745598.80        8.64313  (16010516)               475709.42
        3745621.76        9.18367  (16010516)
        475709.42   3745647.05        9.62224  (16010516)               475709.06
        3745668.21        9.86303  (16010516)
        475709.96   3745693.68       10.08955  (16010516)               475709.42
```

3745717.00 10.09129 (16010516)
475709.06 3745739.77 9.98506 (16010516) 475777.75
3745697.27 12.68418 (16010516)
475785.29 3745721.66 12.03377 (16010516) 475794.25
3745802.05 8.74897 (16010516)
475778.85 3745842.00 7.60440 (16010516) 475800.05
3745888.80 5.40209 (16010516)
475789.98 3745940.18 4.24723 (16010516) 475892.19
3745936.40 4.44797 (10012016)
475893.32 3746111.50 2.98675 (10012016) 476130.12
3746085.01 3.39521 (10120316)
476129.71 3745935.03 4.64495 (10120316) 475595.68
3746575.78 1.42713 (10120216)
475911.01 3746495.74 1.59841 (14121116) 475863.30
3746556.38 1.49800 (14121116)
475594.25 3746890.12 1.05513 (10012016) 476146.43
3746600.47 1.60210 (10120316)
476082.93 3746873.86 1.17830 (10120316) 475609.08
3746999.92 0.94314 (10012016)
475745.21 3747048.16 0.87462 (14121116) 475382.02
3746160.96 3.45341 (16010516)
475411.04 3746003.05 3.22686 (16010516) 474409.00
3746437.28 0.95496 (10121515)
476290.36 3746244.91 1.95424 (16122315) 476339.29
3746119.15 2.45876 (10021916)
476311.38 3746179.40 2.07618 (10021916) 476277.82
3746288.18 1.86399 (16122315)
476333.63 3746432.95 1.40967 (16122315) 476384.17
3745949.30 3.65783 (10122216)
476360.32 3745999.45 3.03910 (10021916) 476412.89
3745836.48 5.04282 (10122216)
476404.80 3745918.57 4.12320 (10122216) 476434.06
3745820.87 5.01276 (10122216)
476454.86 3745720.49 6.00674 (10020516) 475797.42
3744976.75 23.32655 (11010316)
476060.39 3744909.25 46.40139 (14111116) 475777.26
3744882.37 23.86699 (11010316)
475781.93 3744832.11 22.68167 (11010316) 475779.60
3744791.20 19.12920 (11010316)
475786.02 3744729.84 11.99284 (11010316) 475774.63
3744924.73 22.72714 (11010316)
475782.23 3744693.90 8.54486 (11010316) 475768.20
3744638.68 7.62520 (16112816)
475787.19 3744589.00 6.62005 (16112816) 475706.26
3744502.22 5.38912 (16112816)
475780.18 3744427.13 4.17241 (10113016) 475764.11
3744390.61 3.81761 (10113016)
477060.85 3744371.76 1.61389 (14103116) 476803.53
3745166.88 3.87693 (10122916)
477112.67 3745114.97 1.91491 (10122916) 477464.43
3745086.80 1.12412 (10121516)
477531.57 3745005.51 1.03006 (10121516) 475715.48
3746455.63 1.78393 (10012016)
475791.98 3746459.29 1.74692 (10012016) 475771.33
3746506.69 1.64969 (10012016)
475775.18 3746458.34 1.78051 (10012016) 475750.42
3746454.29 1.80915 (10012016)

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

SOURCE GROUP: B14 ***
INCLUDING SOURCE(S): B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	2.87974	(11111816)	476314.71	3744669.61	3.25063	(14111316)
476332.85	3744655.27	3.15581	(14111316)	476365.97	3744513.73	2.44711	(14111316)
476245.90	3744942.48	6.00225	(11111816)	476289.52	3745000.38	7.45898	(11111816)
476288.55	3745361.57	18.63556	(16010716)	475880.74	3745148.55	15.01801	(14111116)
475796.73	3745058.23	7.85325	(10113016)	475750.05	3745108.89	9.28098	(11010316)
475798.54	3745194.08	16.79828	(11010316)	475752.37	3745335.13	52.43690	(11010316)
475776.90	3745405.80	57.77403	(11010316)	475731.82	3745293.23	41.56398	(11010316)
475784.75	3745574.23	72.96160	(16010616)	475709.78	3745574.77	37.07170	(16010616)
475708.88	3745598.80	32.32185	(16010616)	475709.42	3745621.76	27.42573	(16010616)
475709.42	3745647.05	21.77913	(16010616)	475709.06	3745668.21	20.55972	(10121515)
475709.96	3745693.68	19.20040	(10121515)	475709.42	3745717.00	18.40330	(16010516)
475709.06	3745739.77	19.23368	(16010516)	475777.75	3745697.27	35.02677	(16010516)
475785.29	3745721.66	33.22966	(16010516)	475794.25	3745802.05	24.28097	(16010516)
475778.85	3745842.00	20.76511	(16010516)	475800.05	3745888.80	17.06302	(16010516)
475789.98	3745940.18	13.58690	(16010516)	475892.19	3745936.40	8.84577	(14121116)
475893.32	3746111.50	5.52617	(14121116)	476130.12	3746085.01	4.64748	(10021916)
476129.71	3745935.03	8.47822	(10122216)	475595.68	3746575.78	1.98395	(10120216)
475911.01	3746495.74	2.20540	(11121915)	475863.30	3746556.38	2.10974	(14121116)
475594.25	3746890.12	1.44908	(10012016)	476146.43	3746600.47	1.70727	(16122315)
476082.93	3746873.86	1.45617	(10120316)	475609.08	3746999.92	1.25242	(10012016)
475745.21	3747048.16	1.14436	(14121116)	475382.02	3746160.96	3.89259	(16010516)
475411.04	3746003.05	3.94601	(10121515)	474409.00	3746437.28	2.79576	(10121516)
476290.36	3746244.91	3.63163	(10122216)	476339.29	3746119.15	4.67620	(10122216)
476311.38	3746179.40	4.31535	(10122216)	476277.82	3746288.18	3.14793	(10122216)
476333.63	3746432.95	2.36468	(10122216)	476384.17	3745949.30	6.30714	(10020516)
476360.32	3745999.45	6.15484	(10020516)	476412.89	3745836.48	5.77423	(10100416)

476404.80 3745918.57 5.90981 (10020516) 476434.06
3745820.87 6.05221 (10012115)
476454.86 3745720.49 6.65664 (10012115) 475797.42
3744976.75 6.44217 (16011116)
476060.39 3744909.25 5.76874 (10120716) 475777.26
3744882.37 5.06269 (16011116)
475781.93 3744832.11 4.75761 (16011116) 475779.60
3744791.20 4.42826 (16011116)
475786.02 3744729.84 4.08030 (16011116) 475774.63
3744924.73 5.33964 (16011116)
475782.23 3744693.90 3.82102 (16011116) 475768.20
3744638.68 3.41672 (16011116)
475787.19 3744589.00 3.25247 (16011116) 475706.26
3744502.22 2.48074 (16011116)
475780.18 3744427.13 2.50544 (16011116) 475764.11
3744390.61 2.35403 (16011116)
477060.85 3744371.76 1.14296 (10111716) 476803.53
3745166.88 3.35876 (16010716)
477112.67 3745114.97 2.28773 (16010716) 477464.43
3745086.80 1.53302 (16010716)
477531.57 3745005.51 1.36123 (16010716) 475715.48
3746455.63 2.68692 (10012016)
475791.98 3746459.29 2.54053 (14121116) 475771.33
3746506.69 2.35147 (10012016)
475775.18 3746458.34 2.58385 (10012016) 475750.42
3746454.29 2.67295 (10012016)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B17 ***
INCLUDING SOURCE(S): B17_1 , B17_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.97469	(10112916)	476314.71	3744669.61	1.03612	(16012016)
476332.85	3744655.27	1.01188	(16012016)	476365.97	3744513.73	0.86644	(11120716)
476245.90	3744942.48	1.47039	(16012016)	476289.52	3745000.38	1.57321	(10112916)
476288.55	3745361.57	2.76831	(14111316)	475880.74	3745148.55	2.39009	(14111116)
475796.73	3745058.23	2.07133	(16011116)	475750.05	3745108.89	2.21939	(16011116)
475798.54	3745194.08	2.57781	(16011116)	475752.37	3745335.13	3.04127	(16011116)
475776.90	3745405.80	3.54748	(16011116)	475731.82	3745293.23	2.74869	(16011116)
475784.75	3745574.23	4.66534	(16011116)	475709.78	3745574.77	4.12530	(10113016)
475708.88	3745598.80	4.44801	(10113016)	475709.42	3745621.76	4.75608	(10113016)
475709.42	3745647.05	5.10669	(10113016)	475709.06			

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      3745668.21        5.40554  (10113016)
      475709.96   3745693.68        5.86661  (16112816)               475709.42
      3745717.00        6.37793  (16112816)
      475709.06   3745739.77        6.89139  (16112816)               475777.75
      3745697.27        5.54213  (11120516)
      475785.29   3745721.66        5.92212  (10113016)               475794.25
      3745802.05        7.86358  (10113016)
      475778.85   3745842.00        9.01382  (10113016)               475800.05
      3745888.80       10.60675  (10113016)
      475789.98   3745940.18       14.37012  (11010316)               475892.19
      3745936.40       17.28359  (14111116)
      475893.32   3746111.50       61.27622  (11010316)               476130.12
      3746085.01       30.69196  (15120816)
      476129.71   3745935.03       13.68260  (10123016)               475595.68
      3746575.78        8.83126  (10121515)
      475911.01   3746495.74       31.39151  (16010516)               475863.30
      3746556.38       24.09482  (16010516)
      475594.25   3746890.12        8.44859  (16010516)               476146.43
      3746600.47       13.64873  (10122216)
      476082.93   3746873.86        4.73420  (10120316)               475609.08
      3746999.92        5.90107  (16010516)
      475745.21   3747048.16        3.54822  (10012016)               475382.02
      3746160.96        6.94836  (14120316)
      475411.04   3746003.05        9.84313  (10122116)               474409.00
      3746437.28        1.49833  (10122115)
      476290.36   3746244.91       24.31070  (10122916)               476339.29
      3746119.15       15.15127  (16010716)
      476311.38   3746179.40       21.72965  (16010716)               476277.82
      3746288.18       26.69868  (10122916)
      476333.63   3746432.95       13.28879  (10012115)               476384.17
      3745949.30        8.42640  (14103116)
      476360.32   3745999.45       10.33041  (14103116)               476412.89
      3745836.48        5.95811  (16011916)
      476404.80   3745918.57        7.38680  (10120816)               476434.06
      3745820.87        5.59269  (16011916)
      476454.86   3745720.49        4.65680  (14121916)               475797.42
      3744976.75        1.82379  (16011116)
      476060.39   3744909.25        1.60728  (10120716)               475777.26
      3744882.37        1.60654  (16011116)
      475781.93   3744832.11        1.48700  (16011116)               475779.60
      3744791.20        1.40459  (16011116)
      475786.02   3744729.84        1.27680  (16011116)               475774.63
      3744924.73        1.71183  (16011116)
      475782.23   3744693.90        1.21909  (16011116)               475768.20
      3744638.68        1.14931  (16011116)
      475787.19   3744589.00        1.07845  (14111116)               475706.26
      3744502.22        1.01746  (16011116)
      475780.18   3744427.13        0.91040  (10120616)               475764.11
      3744390.61        0.88408  (10120616)
      477060.85   3744371.76        0.96595  (11111816)               476803.53
      3745166.88        1.64633  (10121016)
      477112.67   3745114.97        1.11766  (10111716)               477464.43
      3745086.80        0.78093  (14103116)
      477531.57   3745005.51        0.69541  (14103116)               475715.48
      3746455.63       18.89513  (10121515)
      475791.98   3746459.29       35.88562  (16010516)               475771.33
      3746506.69       28.73105  (16010516)
      475775.18   3746458.34       32.14080  (16010516)               475750.42
      3746454.29       25.59064  (16010516)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       13:33:18

                    PAGE  46
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B18 ***
INCLUDING SOURCE(S): B18_1 , B18_2 , B18_3 , B18_4 , B18_5 ,
B18_6 , B18_7 , B18_8 , B18_9 , B18_10 ,
B18_11 , B18_12 , B18_13 ,
B18_14 , B18_15 , B18_16 , B18_17 , B18_18 ,
B18_19 , B18_20 , B18_21 ,
B18_22 , B18_23 , B18_24 , B18_25 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.97771	(14111316)	476314.71	3744669.61	1.05514	(14111316)
476332.85	3744655.27	1.04074	(14111316)	476365.97	3744513.73	0.88366	(14111316)
476245.90	3744942.48	1.48731	(14111316)	476289.52	3745000.38	1.54909	(11111816)
476288.55	3745361.57	2.83401	(11111816)	475880.74	3745148.55	1.98167	(16012016)
475796.73	3745058.23	1.84617	(10120716)	475750.05	3745108.89	2.17582	(10120716)
475798.54	3745194.08	2.22521	(10121316)	475752.37	3745335.13	3.10220	(10120716)
475776.90	3745405.80	3.33316	(10121316)	475731.82	3745293.23	2.96501	(10120716)
475784.75	3745574.23	4.89520	(10121316)	475709.78	3745574.77	5.43359	(10120716)
475708.88	3745598.80	5.79287	(10120716)	475709.42	3745621.76	6.17083	(10120716)
475709.42	3745647.05	6.63114	(10120716)	475709.06	3745668.21	7.06234	(10120716)
475709.96	3745693.68	7.64749	(10120716)	475709.42	3745717.00	8.29774	(14111116)
475709.06	3745739.77	9.01424	(14111116)	475777.75	3745697.27	6.83735	(10121316)
475785.29	3745721.66	7.27662	(10121316)	475794.25	3745802.05	9.51837	(11122116)
475778.85	3745842.00	11.15112	(11122116)	475800.05	3745888.80	13.28250	(14121016)
475789.98	3745940.18	17.37306	(14121016)	475892.19	3745936.40	16.12993	(11111816)
475893.32	3746111.50	25.59130	(10101916)	476130.12	3746085.01	8.34952	(16010716)
476129.71	3745935.03	6.88924	(14103116)	475595.68	3746575.78	54.72565	(16010516)
475911.01	3746495.74	20.68818	(10020516)	475863.30	3746556.38	23.05272	(10020516)
475594.25	3746890.12	7.47457	(14121116)	476146.43	3746600.47	6.02331	(10012115)
476082.93	3746873.86	5.28007	(10020516)	475609.08	3746999.92	5.32385	(14121116)
475745.21	3747048.16	4.51863	(10120316)	475382.02	3746160.96	18.12696	(11010316)
475411.04	3746003.05	27.35160	(11010316)	474409.00	3746437.28	1.82972	(16010616)
476290.36	3746244.91	5.20404	(10122916)	476339.29	3746119.15	5.61106	(16010716)

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       476311.38   3746179.40        5.58356  (16010716)                476277.82
       3746288.18        5.87638  (10122916)
       476333.63   3746432.95        3.98269  (10121516)                476384.17
       3745949.30        3.18506  (16010716)
       476360.32   3745999.45        4.20404  (16010716)                476412.89
       3745836.48        3.13118  (14103116)
       476404.80   3745918.57        2.84525  (11112516)                476434.06
       3745820.87        2.97869  (14103116)
       476454.86   3745720.49        2.81607  (14103116)                475797.42
       3744976.75        1.66780  (10120716)
       476060.39   3744909.25        1.39666  (10112916)                475777.26
       3744882.37        1.56148  (10120716)
       475781.93   3744832.11        1.46320  (10120716)                475779.60
       3744791.20        1.40569  (10120716)
       475786.02   3744729.84        1.30345  (10120716)                475774.63
       3744924.73        1.64839  (10120716)
       475782.23   3744693.90        1.26545  (10120716)                475768.20
       3744638.68        1.22369  (10120716)
       475787.19   3744589.00        1.13456  (10120716)                475706.26
       3744502.22        1.11628  (10120716)
       475780.18   3744427.13        0.99383  (10120716)                475764.11
       3744390.61        0.98250  (10120716)
       477060.85   3744371.76        0.71149  (10121016)                476803.53
       3745166.88        1.14956  (10111716)
       477112.67   3745114.97        0.80041  (10120816)                477464.43
       3745086.80        0.64111  (14123016)
       477531.57   3745005.51        0.59856  (14123016)                475715.48
       3746455.63       70.83757  (10121516)
       475791.98   3746459.29       66.91471  (10122216)                475771.33
       3746506.69       39.18547  (10122216)
       475775.18   3746458.34       67.79134  (10122216)                475750.42
       3746454.29       69.23954  (10122216)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        13:33:18

                    PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                          *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR
                          SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     B13_1       , B13_2       ,
                              B14_1       , B14_2       , B14_3       ,
               B14_4       , B14_5       , B14_6       , B17_1       , B17_2       ,
               B18_1       , B18_2       , B18_3       ,
               B18_4       , B18_5       , B18_6       , B18_7       , B18_8       ,
               B18_9       , B18_10      , B18_11      ,
               B18_12      , B18_13      , B18_14      , B15      , B18_16      ,
               B18_17      , B18_18      ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
       476395.71   3744607.81       11.22691  (11111816)                476314.71
       3744669.61       13.17514  (14111316)
       476332.85   3744655.27       12.38336  (14111316)                476365.97
       3744513.73        9.20533  (14111316)
       476245.90   3744942.48       32.08233  (15120816)                476289.52
       3745000.38       27.95519  (10121516)
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476288.55 3745361.57 37.47218 (10121516) 475880.74
3745148.55 38.64628 (16010616)
475796.73 3745058.23 23.89623 (11010316) 475750.05
3745108.89 20.38591 (10121516)
475798.54 3745194.08 27.47289 (10121516) 475752.37
3745335.13 52.77031 (11010316)
475776.90 3745405.80 63.15783 (16010616) 475731.82
3745293.23 41.88817 (11010316)
475784.75 3745574.23 75.40285 (16010616) 475709.78
3745574.77 39.60562 (16010616)
475708.88 3745598.80 34.51487 (16010616) 475709.42
3745621.76 29.39295 (16010616)
475709.42 3745647.05 26.88752 (10121516) 475709.06
3745668.21 26.09609 (10121516)
475709.96 3745693.68 27.34329 (16010516) 475709.42
3745717.00 28.70652 (16010516)
475709.06 3745739.77 29.45138 (16010516) 475777.75
3745697.27 47.92111 (16010516)
475785.29 3745721.66 45.49747 (16010516) 475794.25
3745802.05 33.37010 (16010516)
475778.85 3745842.00 28.77712 (16010516) 475800.05
3745888.80 28.01107 (10121516)
475789.98 3745940.18 30.50537 (10121516) 475892.19
3745936.40 31.25706 (10121516)
475893.32 3746111.50 63.00123 (10121516) 476130.12
3746085.01 39.15154 (10121516)
476129.71 3745935.03 26.43253 (10121516) 475595.68
3746575.78 63.16370 (16010516)
475911.01 3746495.74 38.15283 (10121516) 475863.30
3746556.38 30.65362 (10121516)
475594.25 3746890.12 10.48253 (16010516) 476146.43
3746600.47 17.98355 (10121516)
476082.93 3746873.86 9.71064 (10121516) 475609.08
3746999.92 8.23606 (10012016)
475745.21 3747048.16 7.33472 (10121516) 475382.02
3746160.96 21.31622 (16010616)
475411.04 3746003.05 32.88594 (11010316) 474409.00
3746437.28 6.10233 (10121516)
476290.36 3746244.91 29.56583 (10122916) 476339.29
3746119.15 20.82266 (16010716)
476311.38 3746179.40 27.36592 (16010716) 476277.82
3746288.18 32.62100 (10122916)
476333.63 3746432.95 17.53128 (10121516) 476384.17
3745949.30 16.62748 (10121516)
476360.32 3745999.45 17.73144 (10121516) 476412.89
3745836.48 15.94692 (10121516)
476404.80 3745918.57 15.94161 (10121516) 476434.06
3745820.87 15.40949 (10121516)
476454.86 3745720.49 15.56552 (10121516) 475797.42
3744976.75 24.38150 (11010316)
476060.39 3744909.25 53.33517 (14111116) 475777.26
3744882.37 24.22496 (11010316)
475781.93 3744832.11 22.86920 (11010316) 475779.60
3744791.20 19.26085 (11010316)
475786.02 3744729.84 12.08048 (11010316) 475774.63
3744924.73 23.39455 (11010316)
475782.23 3744693.90 10.26499 (16112816) 475768.20
3744638.68 9.10143 (16112816)
475787.19 3744589.00 7.70481 (16112816) 475706.26
3744502.22 6.58962 (16112816)
475780.18 3744427.13 5.89027 (16011116) 475764.11
3744390.61 5.49100 (16011116)
477060.85 3744371.76 3.21863 (10121516) 476803.53
3745166.88 7.85693 (10121516)
477112.67 3745114.97 4.86174 (10121516) 477464.43
3745086.80 3.26627 (10121516)

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B13 ***
INCLUDING SOURCE(S): B13_1 , B13_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	2.89393	(14120116)	476314.71	3744669.61	3.92400	(14120116)
476332.85	3744655.27	3.66929	(14120116)	476365.97	3744513.73	2.28963	(14120116)
476245.90	3744942.48	12.92418	(14120116)	476289.52	3745000.38	8.49573c	(10102116)
476288.55	3745361.57	7.96579	(11112416)	475880.74	3745148.55	7.40074	(14120316)
475796.73	3745058.23	4.63339	(16110916)	475750.05	3745108.89	3.64973	(14120316)
475798.54	3745194.08	5.04597	(14120316)	475752.37	3745335.13	3.26274	(10121516)
475776.90	3745405.80	3.32794	(11121216)	475731.82	3745293.23	3.05608	(10121516)
475784.75	3745574.23	3.67514	(16010516)	475709.78	3745574.77	1.97189	(16010516)
475708.88	3745598.80	2.09915	(16010516)	475709.42	3745621.76	2.23285	(16010516)
475709.42	3745647.05	2.34880	(16010516)	475709.06	3745668.21	2.42008	(16010516)
475709.96	3745693.68	2.50124	(16010516)	475709.42	3745717.00	2.53175	(16010516)
475709.06	3745739.77	2.54352	(16010516)	475777.75	3745697.27	3.54717	(16010516)
475785.29	3745721.66	3.53683	(16010516)	475794.25	3745802.05	3.05312	(16010516)
475778.85	3745842.00	2.71925	(16010516)	475800.05	3745888.80	2.39952	(16010516)
475789.98	3745940.18	2.07013	(16010516)	475892.19	3745936.40	1.96560	(10012016)
475893.32	3746111.50	1.27822	(10012016)	476130.12	3746085.01	1.37489	(11100516)
476129.71	3745935.03	2.00189	(11100516)	475595.68	3746575.78	0.60278	(16010516)
475911.01	3746495.74	0.68417	(10011816)	475863.30	3746556.38	0.61777	(10011816)
475594.25	3746890.12	0.44995	(10012016)	476146.43	3746600.47	0.53725	(11100516)
476082.93	3746873.86	0.39588	(16122316)	475609.08			

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B14 ***
INCLUDING SOURCE(S): B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	1.20241	(14120116)	476314.71	3744669.61	1.31749	(14120116)
476332.85	3744655.27	1.29418	(14120116)	476365.97	3744513.73	0.96674	(14120116)

476245.90 3744942.48 2.74373 (14120116) 476289.52
3745000.38 3.14728 (14120116)
476288.55 3745361.57 5.71802 (15121416) 475880.74
3745148.55 4.23103 (14112416)
475796.73 3745058.23 2.64095 (14112416) 475750.05
3745108.89 3.15862 (16121916)
475798.54 3745194.08 4.85472 (16121916) 475752.37
3745335.13 9.85886 (11010316)
475776.90 3745405.80 14.15941 (10031616) 475731.82
3745293.23 7.37995 (11010316)
475784.75 3745574.23 17.87429 (11121216) 475709.78
3745574.77 7.14921 (11121216)
475708.88 3745598.80 7.15045 (11121216) 475709.42
3745621.76 7.04193 (11121216)
475709.42 3745647.05 6.71206 (11121216) 475709.06
3745668.21 6.33749 (11121216)
475709.96 3745693.68 5.90262 (11121216) 475709.42
3745717.00 5.44416 (11121216)
475709.06 3745739.77 5.50226 (16010516) 475777.75
3745697.27 11.68540 (16010516)
475785.29 3745721.66 11.57829 (16010516) 475794.25
3745802.05 8.98895 (16010516)
475778.85 3745842.00 7.44923 (16010516) 475800.05
3745888.80 6.64962 (16010516)
475789.98 3745940.18 5.42927 (16010516) 475892.19
3745936.40 5.06434 (16010516)
475893.32 3746111.50 2.45602 (10011816) 476130.12
3746085.01 2.32496 (10100516)
476129.71 3745935.03 3.76646 (10100516) 475595.68
3746575.78 0.95284 (16010516)
475911.01 3746495.74 1.01021 (11100516) 475863.30
3746556.38 0.94698 (10011816)
475594.25 3746890.12 0.62253 (10012016) 476146.43
3746600.47 0.78279 (11100516)
476082.93 3746873.86 0.55183 (11100516) 475609.08
3746999.92 0.53887 (10012016)
475745.21 3747048.16 0.47448 (10011816) 475382.02
3746160.96 0.88003 (16010516)
475411.04 3746003.05 1.03241 (10121516) 474409.00
3746437.28 0.51923 (10121516)
476290.36 3746244.91 1.18224 (10100516) 476339.29
3746119.15 1.54015 (11030716)
476311.38 3746179.40 1.30676 (11030716) 476277.82
3746288.18 1.13397 (10100516)
476333.63 3746432.95 0.80675 (10100516) 476384.17
3745949.30 1.96352 (11112416)
476360.32 3745999.45 1.93056 (11030716) 476412.89
3745836.48 1.97591 (10033116)
476404.80 3745918.57 1.92231 (11112416) 476434.06
3745820.87 1.75560 (10033116)
476454.86 3745720.49 1.71053 (14013116) 475797.42
3744976.75 2.01786 (14112416)
476060.39 3744909.25 1.94257 (16120216) 475777.26
3744882.37 1.49479 (14112416)
475781.93 3744832.11 1.30183 (14112416) 475779.60
3744791.20 1.16441 (14112416)
475786.02 3744729.84 0.99034 (14112416) 475774.63
3744924.73 1.68408 (14112416)
475782.23 3744693.90 0.91772 (10120616) 475768.20
3744638.68 0.81233 (10120616)
475787.19 3744589.00 0.79182 (10120616) 475706.26
3744502.22 0.59937 (14112416)
475780.18 3744427.13 0.62622 (10120616) 475764.11
3744390.61 0.58410 (10120616)
477060.85 3744371.76 0.42754 (16011916) 476803.53
3745166.88 0.72832 (14040116)

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B17 ***
INCLUDING SOURCE(S): B17_1 , B17_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.37881	(14123116)	476314.71	3744669.61	0.40003	(14123116)
476332.85	3744655.27	0.39698	(14123116)	476365.97	3744513.73	0.34521	(16122216)
476245.90	3744942.48	0.55728	(14123116)	476289.52	3745000.38	0.62105	(14123116)
476288.55	3745361.57	1.05121	(14120116)	475880.74	3745148.55	0.63069	(10120616)
475796.73	3745058.23	0.54522	(10120616)	475750.05	3745108.89	0.54428	(10120616)
475798.54	3745194.08	0.64966	(10120616)	475752.37	3745335.13	0.70877	(10120616)
475776.90	3745405.80	0.83459	(10120616)	475731.82	3745293.23	0.63536	(10120616)
475784.75	3745574.23	1.24438	(14112416)	475709.78	3745574.77	1.18576	(14112416)
475708.88	3745598.80	1.25067	(14112416)	475709.42	3745621.76	1.31855	(14112416)
475709.42	3745647.05	1.39598	(14112416)	475709.06	3745668.21	1.47037	(15012816)
475709.96	3745693.68	1.58692	(15012816)	475709.42	3745717.00	1.73484	(11110216)
475709.06	3745739.77	1.89422	(11110216)	475777.75	3745697.27	1.75432	(14112416)
475785.29	3745721.66	1.90160	(14112416)	475794.25	3745802.05	2.47599	(14112416)
475778.85	3745842.00	2.84978	(11110216)	475800.05	3745888.80	3.53822	(11110216)
475789.98	3745940.18	4.55098	(16121916)	475892.19	3745936.40	4.87235	(14112416)
475893.32	3746111.50	19.98799	(11010316)	476130.12	3746085.01	16.36159	(14120116)
476129.71	3745935.03	6.76277	(14120116)	475595.68	3746575.78	2.24486	(11051716)
475911.01	3746495.74	14.86899	(16010516)	475863.30	3746556.38	10.48860	(16010516)
475594.25	3746890.12	2.39435	(16010516)	476146.43			

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      3746600.47        5.10912  (10100516)
      476082.93   3746873.86        2.51399  (11100516)                475609.08
      3746999.92        2.04797  (16010516)
      475745.21   3747048.16        1.66370  (10012016)                475382.02
      3746160.96        1.98387  (14120316)
      475411.04   3746003.05        2.04511  (16110916)                474409.00
      3746437.28        0.32316c (10122116)
      476290.36   3746244.91        6.71986  (14040116)                476339.29
      3746119.15        4.13421  (14040116)
      476311.38   3746179.40        5.86820  (14040116)                476277.82
      3746288.18        6.53896  (16030716)
      476333.63   3746432.95        3.36669  (14032616)                476384.17
      3745949.30        2.88250  (16011916)
      476360.32   3745999.45        3.25978  (16011916)                476412.89
      3745836.48        2.32707c (10102116)
      476404.80   3745918.57        2.60725  (16011916)                476434.06
      3745820.87        2.09087c (10102116)
      476454.86   3745720.49        1.81682c (10102116)                475797.42
      3744976.75        0.49480  (10120616)
      476060.39   3744909.25        0.51223  (16122216)                475777.26
      3744882.37        0.43987  (10120616)
      475781.93   3744832.11        0.41810  (10120616)                475779.60
      3744791.20        0.40028  (10120616)
      475786.02   3744729.84        0.37666  (10120616)                475774.63
      3744924.73        0.45951  (10120616)
      475782.23   3744693.90        0.36312  (10120616)                475768.20
      3744638.68        0.34333  (10120616)
      475787.19   3744589.00        0.32893  (10120616)                475706.26
      3744502.22        0.29924  (10120616)
      475780.18   3744427.13        0.28671  (10120616)                475764.11
      3744390.61        0.27902  (10120616)
      477060.85   3744371.76        0.32793  (14120116)                476803.53
      3745166.88        0.56321  (14120116)
      477112.67   3745114.97        0.41657  (16011916)                477464.43
      3745086.80        0.27249  (16011916)
      477531.57   3745005.51        0.25855  (16011916)                475715.48
      3746455.63        5.50694  (11121216)
      475791.98   3746459.29       11.67624  (16010516)                475771.33
      3746506.69        9.00587  (16010516)
      475775.18   3746458.34        9.96464  (16010516)                475750.42
      3746454.29        7.51407  (16010516)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       13:33:18

                    PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                           *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES FOR
                           SOURCE GROUP:  B18      ***
                               INCLUDING SOURCE(S):     B18_1       , B18_2       ,
                               B18_3       , B18_4       , B18_5       ,
                B18_6       , B18_7       , B18_8       , B18_9       , B18_10      ,
                B18_11      , B18_12      , B18_13      ,
                B18_14      , B18_15      , B18_16      , B18_17      , B18_18      ,
                B18_19      , B18_20      , B18_21      ,
                B18_22      , B18_23      , B18_24      , B18_25      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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

- -

476395.71 3744607.81 0.41829 (14120116) 476314.71
3744669.61 0.42467 (14120116)
476332.85 3744655.27 0.42382 (14120116) 476365.97
3744513.73 0.36516 (14120116)
476245.90 3744942.48 0.59347 (14120116) 476289.52
3745000.38 0.65710 (14120116)
476288.55 3745361.57 0.97129 (14120116) 475880.74
3745148.55 0.72353 (16120216)
475796.73 3745058.23 0.60081 (16120216) 475750.05
3745108.89 0.59452 (16122216)
475798.54 3745194.08 0.75625 (16120216) 475752.37
3745335.13 0.90426 (16120216)
475776.90 3745405.80 1.11415 (16120216) 475731.82
3745293.23 0.78126 (16120216)
475784.75 3745574.23 1.63599 (16120216) 475709.78
3745574.77 1.36926 (11120116)
475708.88 3745598.80 1.46400 (11120116) 475709.42
3745621.76 1.55789 (11120116)
475709.42 3745647.05 1.67443 (11120116) 475709.06
3745668.21 1.78676 (16122216)
475709.96 3745693.68 1.94584 (16122216) 475709.42
3745717.00 2.10722 (10120616)
475709.06 3745739.77 2.29718 (10120616) 475777.75
3745697.27 2.29024 (16120216)
475785.29 3745721.66 2.50008 (14123116) 475794.25
3745802.05 3.46037 (14123116)
475778.85 3745842.00 3.96531 (14123116) 475800.05
3745888.80 4.97808 (14123116)
475789.98 3745940.18 6.60069 (10123016) 475892.19
3745936.40 7.05461 (14120116)
475893.32 3746111.50 10.77629c (10102116) 476130.12
3746085.01 2.29849 (15121416)
476129.71 3745935.03 2.31832 (16011916) 475595.68
3746575.78 23.76996 (16010516)
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3746556.38 8.16096 (11112416)
475594.25 3746890.12 3.18659 (10011816) 476146.43
3746600.47 1.58143 (14032616)
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3746999.92 2.27074 (10011816)
475745.21 3747048.16 2.04444 (11100516) 475382.02
3746160.96 4.70746 (16110916)
475411.04 3746003.05 4.46606 (11010316) 474409.00
3746437.28 0.41920 (10121516)
476290.36 3746244.91 1.44691 (14040116) 476339.29
3746119.15 1.32060 (14040116)
476311.38 3746179.40 1.45029 (14040116) 476277.82
3746288.18 1.36956 (14040116)
476333.63 3746432.95 0.89085 (16030716) 476384.17
3745949.30 0.96544 (15121416)
476360.32 3745999.45 1.02122 (15121416) 476412.89
3745836.48 0.82099 (15121416)
476404.80 3745918.57 0.90794 (15121416) 476434.06
3745820.87 0.77304 (15121416)
476454.86 3745720.49 0.85132 (16011916) 475797.42
3744976.75 0.55500 (16122216)
476060.39 3744909.25 0.53829 (14123116) 475777.26
3744882.37 0.51278 (16122216)
475781.93 3744832.11 0.49178 (16122216) 475779.60
3744791.20 0.47619 (16122216)
475786.02 3744729.84 0.45782 (16122216) 475774.63
3744924.73 0.52774 (16122216)
475782.23 3744693.90 0.44393 (16122216) 475768.20
3744638.68 0.44632 (16122216)

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       475787.19   3744589.00        0.42140  (16122216)               475706.26
       3744502.22        0.36419  (16122216)
       475780.18   3744427.13        0.39530  (16122216)               475764.11
       3744390.61        0.38252  (16122216)
       477060.85   3744371.76        0.23373  (14120116)               476803.53
       3745166.88        0.42837  (16011916)
       477112.67   3745114.97        0.30258  (16011916)               477464.43
       3745086.80        0.16546  (10120916)
       477531.57   3745005.51        0.16101  (10120916)               475715.48
       3746455.63       41.99943  (16010516)
       475791.98   3746459.29       28.13652  (11112416)               475771.33
       3746506.69       18.34320  (11100516)
       475775.18   3746458.34       31.33740  (11112416)               475750.42
       3746454.29       35.78404  (11100516)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       13:33:18

                     PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES FOR
                              SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     B13_1       , B13_2       ,
                                  B14_1       , B14_2       , B14_3       ,
                   B14_4       , B14_5       , B14_6       , B17_1       , B17_2       ,
                   B18_1       , B18_2       , B18_3       ,
                   B18_4       , B18_5       , B18_6       , B18_7       , B18_8       ,
                   B18_9       , B18_10      , B18_11      ,
                   B18_12      , B18_13      , B18_14      , B18_15      , B18_16      ,
                   B18_17      , B18_18      ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
      (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
       476395.71   3744607.81        4.79175  (14120116)               476314.71
       3744669.61        5.91437  (14120116)
       476332.85   3744655.27        5.64201  (14120116)               476365.97
       3744513.73        3.84257  (14120116)
       476245.90   3744942.48       16.59796  (14120116)               476289.52
       3745000.38       12.04201  (14120116)
       476288.55   3745361.57        9.86775  (11112416)               475880.74
       3745148.55       10.53732  (11010316)
       475796.73   3745058.23        6.39644  (11010316)               475750.05
       3745108.89        5.33383c (10122116)
       475798.54   3745194.08        7.13864  (10121516)               475752.37
       3745335.13       11.17668  (11010316)
       475776.90   3745405.80       15.67195  (14120316)               475731.82
       3745293.23        8.64406  (11010316)
       475784.75   3745574.23       20.49958  (11121216)               475709.78
       3745574.77       10.03820  (10121516)
       475708.88   3745598.80        9.71193  (10121516)               475709.42
       3745621.76        9.41755  (10121516)
       475709.42   3745647.05        8.96077  (10121516)               475709.06
       3745668.21        8.49515  (10121516)
       475709.96   3745693.68        7.94230  (10121516)               475709.42
       3745717.00        7.97881  (16010516)
       475709.06   3745739.77        8.22283  (16010516)               475777.75
       3745697.27       15.39210  (16010516)
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      475785.29   3745721.66       15.29301  (16010516)                475794.25
      3745802.05       12.30290  (16010516)
      475778.85   3745842.00       10.48335  (16010516)                475800.05
      3745888.80        9.47266  (16010516)
      475789.98   3745940.18        8.46174  (11010316)                475892.19
      3745936.40        9.23627  (14120116)
      475893.32   3746111.50       22.06313  (11010316)                476130.12
      3746085.01       17.70345  (14120116)
      476129.71   3745935.03        8.93232  (14120116)                475595.68
      3746575.78       26.99931  (16010516)
      475911.01   3746495.74       16.49014  (16010516)                475863.30
      3746556.38       12.45291  (16010516)
      475594.25   3746890.12        5.90076  (16010516)                476146.43
      3746600.47        6.71633  (11112416)
      476082.93   3746873.86        3.73761  (11100516)                475609.08
      3746999.92        4.26222  (16010516)
      475745.21   3747048.16        3.50848  (11100516)                475382.02
      3746160.96        6.72343  (14120316)
      475411.04   3746003.05        5.91433  (16122616)                474409.00
      3746437.28        1.46605  (10121516)
      476290.36   3746244.91        8.22762  (14040116)                476339.29
      3746119.15        5.53749  (14040116)
      476311.38   3746179.40        7.39014  (14040116)                476277.82
      3746288.18        7.74170  (16030716)
      476333.63   3746432.95        4.28538c (10122116)                476384.17
      3745949.30        3.99832  (16011916)
      476360.32   3745999.45        4.39436  (10110816)                476412.89
      3745836.48        3.85193  (11112416)
      476404.80   3745918.57        3.74701  (16011916)                476434.06
      3745820.87        3.60723  (11112416)
      476454.86   3745720.49        3.41005  (11112416)                475797.42
      3744976.75        6.24019  (11010316)
      476060.39   3744909.25       15.04908  (10120616)                475777.26
      3744882.37        5.26058  (11010316)
      475781.93   3744832.11        4.77280  (11010316)                475779.60
      3744791.20        4.11116  (11010316)
      475786.02   3744729.84        3.27081  (16121916)                475774.63
      3744924.73        5.47930  (11010316)
      475782.23   3744693.90        2.94379  (15012816)                475768.20
      3744638.68        2.56330  (15012816)
      475787.19   3744589.00        2.46733  (14112416)                475706.26
      3744502.22        1.90765  (14112416)
      475780.18   3744427.13        1.83505  (14112416)                475764.11
      3744390.61        1.70311  (14112416)
      477060.85   3744371.76        1.19038  (16011916)                476803.53
      3745166.88        1.64144  (14040116)
      477112.67   3745114.97        1.02266  (16011916)                477464.43
      3745086.80        0.73078  (14010816)
      477531.57   3745005.51        0.69319  (14010816)                475715.48
      3746455.63       48.31104  (16010516)
      475791.98   3746459.29       31.22889  (11112416)                475771.33
      3746506.69       21.80866  (11100516)
      475775.18   3746458.34       34.23056  (11100516)                475750.42
      3746454.29       41.59227  (16010516)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       13:33:18

                    PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

                                 ** CONC OF CO       IN
```

MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE GRID-ID
B13	HIGH 1ST HIGH VALUE IS	46.40139	ON 14111116: AT (476060.39, 3744909.25, 466.65, 466.65, 2.00)	DC
B14	HIGH 1ST HIGH VALUE IS	72.96160	ON 16010616: AT (475784.75, 3745574.23, 467.84, 467.84, 2.00)	DC
B17	HIGH 1ST HIGH VALUE IS	61.27622	ON 11010316: AT (475893.32, 3746111.50, 465.00, 465.00, 2.00)	DC
B18	HIGH 1ST HIGH VALUE IS	70.83757	ON 10121516: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC
ALL	HIGH 1ST HIGH VALUE IS	87.71697	ON 16010516: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE GRID-ID
B13	HIGH 1ST HIGH VALUE IS	13.01397	ON 10120616: AT (476060.39, 3744909.25, 466.65, 466.65, 2.00)	DC
B14	HIGH 1ST HIGH VALUE IS	17.87429	ON 11121216: AT (475784.75, 3745574.23, 467.84, 467.84, 2.00)	DC
B17	HIGH 1ST HIGH VALUE IS	19.98799	ON 11010316: AT (475893.32, 3746111.50, 465.00, 465.00, 2.00)	DC
B18	HIGH 1ST HIGH VALUE IS	41.99943	ON 16010516: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC
ALL	HIGH 1ST HIGH VALUE IS	48.31104	ON 16010516: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

A Total of   0 Fatal Error Message(s)
A Total of   4 Warning Message(s)
A Total of   2028 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   978 Calm Hours Identified

A Total of   1050 Missing Hours Identified (2.40 Percent)

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

   ********   WARNING MESSAGES   ********
ME W186   667   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   667   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

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

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Cons NO2\13697 Cons NO2.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2189641 Riverside_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Cons NO2.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
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   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.1574973507     5.000    44.819     1.400
   SRCPARAM B13_2        0.1574973507     5.000    44.819     1.400
   SRCPARAM B14_1        0.0524991169     5.000    27.337     1.400
   SRCPARAM B14_2        0.0524991169     5.000    27.337     1.400
   SRCPARAM B14_3        0.0524991169     5.000    27.337     1.400
   SRCPARAM B14_4        0.0524991169     5.000    27.337     1.400
   SRCPARAM B14_5        0.0524991169     5.000    27.337     1.400
   SRCPARAM B14_6        0.0524991169     5.000    27.337     1.400
   SRCPARAM B17_1        0.1574973507     5.000    44.726     1.400
   SRCPARAM B17_2        0.1574973507     5.000    44.726     1.400
   SRCPARAM B18_1        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_2        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_3        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_4        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_5        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_6        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_7        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_8        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_9        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_10       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_11       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_12       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_13       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_14       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_15       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_16       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_17       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_18       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_19       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_20       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_21       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_22       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_23       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_24       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_25       0.0125997881     5.000    12.365     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT B18_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_7        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_8        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_9        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_10       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_11       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_12       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_13       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_14       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_15       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_16       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_17       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_18       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_19       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_20       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_21       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_22       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT B18_23       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_24       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_25       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Cons NO2.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
```

```
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   PLOTFILE 1 ALL 1ST "13697 CONS NO2.AD\1H_ALL.PLT" 31
   PLOTFILE 1 B13 1ST "13697 CONS NO2.AD\1H_B13.PLT" 32
   PLOTFILE 1 B14 1ST "13697 CONS NO2.AD\1H_B14.PLT" 33
   PLOTFILE 1 B17 1ST "13697 CONS NO2.AD\1H_B17.PLT" 34
   PLOTFILE 1 B18 1ST "13697 CONS NO2.AD\1H_B18.PLT" 35
   SUMMFILE "13697 Cons NO2.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Cons NO2\13697 Cons NO2.ADI
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** AERMOD Control Pathway
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**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2189641 Riverside_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Cons NO2.err"
CO FINISHED
**
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** AERMOD Source Pathway
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**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
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   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.1574973507     5.000    44.819     1.400
   SRCPARAM B13_2        0.1574973507     5.000    44.819     1.400
   SRCPARAM B14_1        0.0524991169     5.000    27.337     1.400
   SRCPARAM B14_2        0.0524991169     5.000    27.337     1.400
   SRCPARAM B14_3        0.0524991169     5.000    27.337     1.400
   SRCPARAM B14_4        0.0524991169     5.000    27.337     1.400
   SRCPARAM B14_5        0.0524991169     5.000    27.337     1.400
   SRCPARAM B14_6        0.0524991169     5.000    27.337     1.400
   SRCPARAM B17_1        0.1574973507     5.000    44.726     1.400
   SRCPARAM B17_2        0.1574973507     5.000    44.726     1.400
   SRCPARAM B18_1        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_2        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_3        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_4        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_5        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_6        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_7        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_8        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_9        0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_10       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_11       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_12       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_13       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_14       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_15       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_16       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_17       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_18       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_19       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_20       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_21       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_22       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_23       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_24       0.0125997881     5.000    12.365     1.400
   SRCPARAM B18_25       0.0125997881     5.000    12.365     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_7        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_8        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_9        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_10       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_11       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_12       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_13       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_14       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Saturday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_15       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_16       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_17       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_18       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_19       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_20       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_21       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_22       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_23       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_23       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_24       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_25       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Cons NO2.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
```

```
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   PLOTFILE 1 ALL 1ST "13697 CONS NO2.AD\1H_ALL.PLT" 31
   PLOTFILE 1 B13 1ST "13697 CONS NO2.AD\1H_B13.PLT" 32
   PLOTFILE 1 B14 1ST "13697 CONS NO2.AD\1H_B14.PLT" 33
   PLOTFILE 1 B17 1ST "13697 CONS NO2.AD\1H_B17.PLT" 34
   PLOTFILE 1 B18 1ST "13697 CONS NO2.AD\1H_B18.PLT" 35
   SUMMFILE "13697 Cons NO2.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     667       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     667       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       14:51:46

                      PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - -

 ** 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    35 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
     * CCVR_Sub - Meteorological data includes CCVR substitutions
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Accepts FLAGPOLE Receptor . Heights.
     * The User Specified a Pollutant Type of: NOX

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

 **This Run Includes:     35 Source(s);       5 Source Group(s); and      78 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     35 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   442.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                Emission Units = GRAMS/SEC                              ;  Emission Rate
                Unit Factor =   0.10000E+07
                Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.6 MB of RAM.

 **Input Runstream File:
 aermod.inp
 **Output Print File:
 aermod.out

 **Detailed Error/Message File:   13697 Cons
 NO2.err
 **File for Summary of Results:   13697 Cons
 NO2.sum
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       14:51:46
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
B13_1	0	0.15750E+00	476101.1	3745262.2	464.0	5.00	44.82	1.40	YES HRDOW
B13_2	0	0.15750E+00	476102.0	3745072.0	465.9	5.00	44.82	1.40	YES HRDOW
B14_1	0	0.52499E-01	475881.8	3745554.6	466.0	5.00	27.34	1.40	YES HRDOW
B14_2	0	0.52499E-01	475881.2	3745437.3	468.2	5.00	27.34	1.40	YES HRDOW
B14_3	0	0.52499E-01	475999.6	3745554.0	464.7	5.00	27.34	1.40	YES HRDOW
B14_4	0	0.52499E-01	476000.0	3745437.7	465.7	5.00	27.34	1.40	YES HRDOW
B14_5	0	0.52499E-01	476071.8	3745548.2	464.0	5.00	27.34	1.40	YES HRDOW
B14_6	0	0.52499E-01	476118.4	3745439.0	463.0	5.00	27.34	1.40	YES HRDOW
B17_1	0	0.15750E+00	475926.0	3746256.1	465.0	5.00	44.73	1.40	YES HRDOW
B17_2	0	0.15750E+00	476070.8	3746258.4	463.0	5.00	44.73	1.40	YES HRDOW
B18_1	0	0.12600E-01	475632.5	3746502.6	469.1	5.00	12.37	1.40	YES HRDOW
B18_2	0	0.12600E-01	475633.4	3746447.8	469.9	5.00	12.37	1.40	YES HRDOW
B18_3	0	0.12600E-01	475638.8	3746403.3	469.7	5.00	12.37	1.40	YES HRDOW
B18_4	0	0.12600E-01	475681.1	3746405.0	469.0	5.00	12.37	1.40	YES HRDOW
B18_5	0	0.12600E-01	475727.7	3746410.8	467.7	5.00	12.37	1.40	YES HRDOW
B18_6	0	0.12600E-01	475775.0	3746409.1	466.4	5.00	12.37	1.40	YES HRDOW
B18_7	0	0.12600E-01	475640.0	3746350.6	469.9	5.00	12.37	1.40	YES HRDOW
B18_8	0	0.12600E-01	475690.3	3746353.5	469.0	5.00	12.37	1.40	YES HRDOW
B18_9	0	0.12600E-01	475774.6	3746355.1	467.2	5.00	12.37	1.40	YES HRDOW
B18_10	0	0.12600E-01	475731.0	3746357.2	468.0	5.00	12.37	1.40	YES HRDOW
B18_11	0	0.12600E-01	475639.2	3746296.6	469.7	5.00	12.37	1.40	YES HRDOW
B18_12	0	0.12600E-01	475689.9	3746300.7	469.0	5.00	12.37	1.40	YES HRDOW
B18_13	0	0.12600E-01	475740.5	3746303.6	468.0	5.00	12.37	1.40	YES HRDOW
B18_14	0	0.12600E-01	475774.6	3746301.6	467.2	5.00	12.37	1.40	YES HRDOW
B18_15	0	0.12600E-01	475637.5	3746242.6	469.8	5.00	12.37	1.40	YES HRDOW
B18_16	0	0.12600E-01	475683.6	3746246.3	469.1	5.00	12.37	1.40	

```
 YES   HRDOW
 B18_17          0   0.12600E-01  475729.3 3746245.5   468.0     5.00    12.37     1.40
 YES   HRDOW
 B18_18          0   0.12600E-01  475774.2 3746248.0   467.2     5.00    12.37     1.40
 YES   HRDOW
 B18_19          0   0.12600E-01  475635.9 3746187.3   469.3     5.00    12.37     1.40
 YES   HRDOW
 B18_20          0   0.12600E-01  475689.0 3746191.9   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_21          0   0.12600E-01  475740.1 3746192.3   467.7     5.00    12.37     1.40
 YES   HRDOW
 B18_22          0   0.12600E-01  475775.0 3746192.7   467.1     5.00    12.37     1.40
 YES   HRDOW
 B18_23          0   0.12600E-01  475689.5 3746183.6   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_24          0   0.12600E-01  475743.5 3746185.2   467.4     5.00    12.37     1.40
 YES   HRDOW
 B18_25          0   0.12600E-01  475771.3 3746185.7   467.1     5.00    12.37     1.40
 YES   HRDOW
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        14:51:46

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  B13        B13_1       , B13_2       ,

  B14        B14_1       , B14_2       , B14_3       , B14_4       , B14_5       , B14_6       ,

  B17        B17_1       , B17_2       ,

  B18        B18_1       , B18_2       , B18_3       , B18_4       , B18_5       , B18_6       ,
  B18_7       , B18_8       ,

             B18_9       , B18_10      , B18_11      , B18_12      , B18_13      , B18_14      ,
             B18_15      , B18_16      ,

             B18_17      , B18_18      , B18_19      , B18_20      , B18_21      , B18_22      ,
             B18_23      , B18_24      ,

             B18_25      ,

  ALL        B13_1       , B13_2       , B14_1       , B14_2       , B14_3       , B14_4       ,
  B14_5       , B14_6       ,

             B17_1       , B17_2       , B18_1       , B18_2       , B18_3       , B18_4       ,
             B18_5       , B18_6       ,

             B18_7       , B18_8       , B18_9       , B18_10      , B18_11      , B18_12      ,
             B18_13      , B18_14      ,

             B18_15      , B18_16      , B18_17      , B18_18      , B18_19      , B18_20      ,
             B18_21      , B18_22      ,

             B18_23      , B18_24      , B18_25      ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	B13_1 , B13_2 , B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,
		B17_1 , B17_2 , B18_1 , B18_2 , B18_3 , B18_4 , B18_5 , B18_6 ,
		B18_7 , B18_8 , B18_9 , B18_10 , B18_11 , B18_12 , B18_13 , B18_14 ,
		B18_15 , B18_16 , B18_17 , B18_18 , B18_19 , B20 , B18_21 , B18_22 ,
		B18_23 , B18_24 , B18_25 ,

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B13_1   ; 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								

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*** AERMET - VERSION  16216 ***
***                                                                          ***        14:51:46

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*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

SOURCE ID = B13_2        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
*** AERMET - VERSION  16216 ***
***                                                                          ***        14:51:46

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*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

SOURCE ID = B14_1        ; 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  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

 SOURCE ID = B14_2       ; 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  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

 SOURCE ID = B14_3       ; 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23
*** AERMET - VERSION 16216 ***
*** *** 14:51:46

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B14_4 ; 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23
*** AERMET - VERSION 16216 ***
*** *** 14:51:46

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B14_5 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        14:51:46

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                    (HRDOW) *

 SOURCE ID = B14_6        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        14:51:46

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B17_1 ; 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B17_2 ; 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 = B18_1 ; 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 = B18_2 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       14:51:46

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_3        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       14:51:46

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_4        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       14:51:46

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_5        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       14:51:46

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_6        ; 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 = B18_7 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_8 ; 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23
*** AERMET - VERSION 16216 ***
*** *** 14:51:46

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_9 ; 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 = B18_10 ; 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 = B18_11 ; 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 = B18_12 ; 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 = B18_13 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       14:51:46

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

 SOURCE ID = B18_14       ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       14:51:46

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
```

```
                 (HRDOW) *

 SOURCE ID = B18_15       ; 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  FLGPOL  URBAN  ADJ_U*

                 * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                 (HRDOW) *

 SOURCE ID = B18_16       ; 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 = B18_17 ; 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 = B18_18 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_19 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_20 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        14:51:46

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_21       ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        14:51:46

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_22       ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_23 ; 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 = B18_24 ; 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 = B18_25 ; 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										

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

(476395.7, 3744607.8, 462.5, 462.5, 2.0); (476314.7, 3744669.6, 463.2, 463.2, 2.0);
(476332.8, 3744655.3, 463.0, 463.0, 2.0); (476366.0, 3744513.7, 463.2, 463.2, 2.0);
(476245.9, 3744942.5, 463.5, 463.5, 2.0); (476289.5, 3745000.4, 463.0, 463.0, 2.0);
(476288.5, 3745361.6, 461.2, 461.2, 2.0); (475880.7, 3745148.5, 468.0, 468.0, 2.0);
(475796.7, 3745058.2, 469.6, 469.6, 2.0); (475750.0, 3745108.9, 470.0, 470.0, 2.0);
(475798.5, 3745194.1, 469.1, 469.1, 2.0); (475752.4, 3745335.1, 469.9, 469.9, 2.0);
(475776.9, 3745405.8, 470.0, 470.0, 2.0); (475731.8, 3745293.2, 470.6, 470.6, 2.0);
(475784.8, 3745574.2, 467.8, 467.8, 2.0); (475709.8, 3745574.8, 469.3, 469.3, 2.0);
(475708.9, 3745598.8, 469.4, 469.4, 2.0); (475709.4, 3745621.8, 469.2, 469.2, 2.0);
(475709.4, 3745647.0, 469.0, 469.0, 2.0); (475709.1, 3745668.2, 469.0, 469.0, 2.0);
(475710.0, 3745693.7, 469.3, 469.3, 2.0); (475709.4, 3745717.0, 469.4, 469.4, 2.0);
(475709.1, 3745739.8, 469.4, 469.4, 2.0); (475777.8, 3745697.3, 468.0, 468.0, 2.0);
(475785.3, 3745721.7, 467.8, 467.8, 2.0); (475794.2, 3745802.0, 467.5, 467.5, 2.0);
(475778.8, 3745842.0, 468.0, 468.0, 2.0); (475800.0, 3745888.8, 467.3, 467.3, 2.0);
(475790.0, 3745940.2, 467.0, 467.0, 2.0); (475892.2, 3745936.4, 465.2, 465.2, 2.0);
(475893.3, 3746111.5, 465.0, 465.0, 2.0); (476130.1, 3746085.0, 462.0, 462.0, 2.0);
(476129.7, 3745935.0, 462.0, 462.0, 2.0); (475595.7, 3746575.8, 469.1, 469.1, 2.0);
(475911.0, 3746495.7, 464.0, 464.0, 2.0); (475863.3, 3746556.4, 464.5, 464.5, 2.0);
(475594.2, 3746890.1, 468.4, 468.4, 2.0); (476146.4, 3746600.5, 460.7, 460.7, 2.0);
(476082.9, 3746873.9, 459.9, 459.9, 2.0); (475609.1, 3746999.9, 467.0, 467.0, 2.0);
(475745.2, 3747048.2, 464.2, 464.2, 2.0); (475382.0, 3746161.0, 476.1, 476.1, 2.0);
(475411.0, 3746003.0, 475.3, 475.3, 2.0); (474409.0, 3746437.3, 518.9, 524.0, 2.0);
(476290.4, 3746244.9, 460.0, 460.0, 2.0); (476339.3, 3746119.1, 460.0, 460.0, 2.0);
(476311.4, 3746179.4, 460.0, 460.0, 2.0); (476277.8, 3746288.2, 460.0, 460.0, 2.0);
(476333.6, 3746432.9, 459.0, 459.0, 2.0); (476384.2, 3745949.3, 460.0, 460.0, 2.0);
(476360.3, 3745999.4, 460.0, 460.0, 2.0); (476412.9, 3745836.5, 460.0, 460.0, 2.0);

(476404.8, 3745918.6, 460.0, 460.0, 2.0); (476434.1, 3745820.9, 460.0, 460.0, 2.0);
(476454.9, 3745720.5, 459.0, 459.0, 2.0); (475797.4, 3744976.8, 471.0, 471.0, 2.0);
(476060.4, 3744909.2, 466.7, 466.7, 2.0); (475777.3, 3744882.4, 472.0, 472.0, 2.0);
(475781.9, 3744832.1, 471.9, 471.9, 2.0); (475779.6, 3744791.2, 472.0, 472.0, 2.0);
(475786.0, 3744729.8, 472.0, 472.0, 2.0); (475774.6, 3744924.7, 471.8, 471.8, 2.0);
(475782.2, 3744693.9, 472.0, 472.0, 2.0); (475768.2, 3744638.7, 473.0, 473.0, 2.0);
(475787.2, 3744589.0, 472.1, 472.1, 2.0); (475706.3, 3744502.2, 473.1, 473.1, 2.0);
(475780.2, 3744427.1, 473.0, 473.0, 2.0); (475764.1, 3744390.6, 473.5, 473.5, 2.0);
(477060.8, 3744371.8, 455.0, 455.0, 2.0); (476803.5, 3745166.9, 456.0, 456.0, 2.0);
(477112.7, 3745115.0, 453.6, 453.6, 2.0); (477464.4, 3745086.8, 450.0, 450.0, 2.0);
(477531.6, 3745005.5, 450.0, 450.0, 2.0); (475715.5, 3746455.6, 468.1, 468.1, 2.0);
(475792.0, 3746459.3, 466.3, 466.3, 2.0); (475771.3, 3746506.7, 466.3, 466.3, 2.0);
(475775.2, 3746458.3, 466.7, 466.7, 2.0); (475750.4, 3746454.3, 467.0, 467.0, 2.0);

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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 FLGPOL URBAN ADJ_U*

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80	53.	9.1	293.8	5.5
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80	11.	9.1	292.5	5.5
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90	351.	9.1	290.4	5.5
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	186.	9.1	287.5	5.5
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	275.	9.1	285.9	5.5

```
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
 181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
 318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                       ***        14:51:46

                      PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                 *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR
                                 SOURCE GROUP:  B13      ***
                                     INCLUDING SOURCE(S):     B13_1       , B13_2       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)               X-COORD (M)  Y-COORD
     (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
       476395.71   3744607.81        4.17619  (11111816)                 476314.71
       3744669.61        5.09311  (11111816)
       476332.85   3744655.27        4.91695  (11111816)                 476365.97
       3744513.73        2.99554  (14111316)
       476245.90   3744942.48       14.98904  (10121016)                 476289.52
       3745000.38       11.88018  (10101916)
       476288.55   3745361.57       11.88885  (10020516)                 475880.74
       3745148.55       20.10125  (16010616)
       475796.73   3745058.23       11.27074  (11010316)                 475750.05
       3745108.89        9.59656  (16010616)
       475798.54   3745194.08       13.16613  (16010616)                 475752.37
       3745335.13        7.77943  (16010616)
       475776.90   3745405.80        6.22208  (10121515)                 475731.82
       3745293.23        8.38620  (16010616)
       475784.75   3745574.23        7.81584  (16010516)                 475709.78
       3745574.77        4.47177  (16010516)
       475708.88   3745598.80        4.77521  (16010516)                 475709.42
       3745621.76        5.07385  (16010516)
       475709.42   3745647.05        5.31615  (16010516)                 475709.06
       3745668.21        5.44919  (16010516)
       475709.96   3745693.68        5.57434  (16010516)                 475709.42
       3745717.00        5.57530  (16010516)
       475709.06   3745739.77        5.51661  (16010516)                 475777.75
       3745697.27        7.00783  (16010516)
       475785.29   3745721.66        6.64849  (16010516)                 475794.25
       3745802.05        4.83369  (16010516)
       475778.85   3745842.00        4.20133  (16010516)                 475800.05
```

3745888.80 2.98458 (16010516)
475789.98 3745940.18 2.34653 (16010516) 475892.19
3745936.40 2.45744 (10012016)
475893.32 3746111.50 1.65014 (10012016) 476130.12
3746085.01 1.87581 (10120316)
476129.71 3745935.03 2.56627 (10120316) 475595.68
3746575.78 0.78847 (10120216)
475911.01 3746495.74 0.88310 (14121116) 475863.30
3746556.38 0.82762 (14121116)
475594.25 3746890.12 0.58295 (10012016) 476146.43
3746600.47 0.88514 (10120316)
476082.93 3746873.86 0.65100 (10120316) 475609.08
3746999.92 0.52107 (10012016)
475745.21 3747048.16 0.48322 (14121116) 475382.02
3746160.96 1.90796 (16010516)
475411.04 3746003.05 1.78280 (16010516) 474409.00
3746437.28 0.52760 (10121515)
476290.36 3746244.91 1.07969 (16122315) 476339.29
3746119.15 1.35843 (10021916)
476311.38 3746179.40 1.14706 (10021916) 476277.82
3746288.18 1.02983 (16122315)
476333.63 3746432.95 0.77882 (16122315) 476384.17
3745949.30 2.02090 (10122216)
476360.32 3745999.45 1.67906 (10021916) 476412.89
3745836.48 2.78609 (10122216)
476404.80 3745918.57 2.27801 (10122216) 476434.06
3745820.87 2.76948 (10122216)
476454.86 3745720.49 3.31864 (10020516) 475797.42
3744976.75 12.88760 (11010316)
476060.39 3744909.25 25.63613 (14111116) 475777.26
3744882.37 13.18618 (11010316)
475781.93 3744832.11 12.53131 (11010316) 475779.60
3744791.20 10.56862 (11010316)
475786.02 3744729.84 6.62588 (11010316) 475774.63
3744924.73 12.55643 (11010316)
475782.23 3744693.90 4.72092 (11010316) 475768.20
3744638.68 4.21282 (16112816)
475787.19 3744589.00 3.65748 (16112816) 475706.26
3744502.22 2.97742 (16112816)
475780.18 3744427.13 2.30520 (10113016) 475764.11
3744390.61 2.10918 (10113016)
477060.85 3744371.76 0.89165 (14103116) 476803.53
3745166.88 2.14195 (10122916)
477112.67 3745114.97 1.05796 (10122916) 477464.43
3745086.80 0.62106 (10121516)
477531.57 3745005.51 0.56910 (10121516) 475715.48
3746455.63 0.98560 (10012016)
475791.98 3746459.29 0.96515 (10012016) 475771.33
3746506.69 0.91143 (10012016)
475775.18 3746458.34 0.98371 (10012016) 475750.42
3746454.29 0.99953 (10012016)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B14 ***
INCLUDING SOURCE(S): B14_1 , B14_2 ,
B14_3 , B14_4 , B14_5 ,
B14_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	1.59101	(11111816)	476314.71	3744669.61	1.79593	(14111316)
476332.85	3744655.27	1.74354	(14111316)	476365.97	3744513.73	1.35200	(14111316)
476245.90	3744942.48	3.31616	(11111816)	476289.52	3745000.38	4.12098	(11111816)
476288.55	3745361.57	10.29589	(16010716)	475880.74	3745148.55	8.29724	(14111116)
475796.73	3745058.23	4.33881	(10113016)	475750.05	3745108.89	5.12761	(11010316)
475798.54	3745194.08	9.28082	(11010316)	475752.37	3745335.13	28.97066	(11010316)
475776.90	3745405.80	31.91936	(11010316)	475731.82	3745293.23	22.96352	(11010316)
475784.75	3745574.23	40.31028	(16010616)	475709.78	3745574.77	20.48160	(16010616)
475708.88	3745598.80	17.85738	(16010616)	475709.42	3745621.76	15.15234	(16010616)
475709.42	3745647.05	12.03267	(16010616)	475709.06	3745668.21	11.35896	(10121515)
475709.96	3745693.68	10.60795	(10121515)	475709.42	3745717.00	10.16757	(16010516)
475709.06	3745739.77	10.62634	(16010516)	475777.75	3745697.27	19.35181	(16010516)
475785.29	3745721.66	18.35893	(16010516)	475794.25	3745802.05	13.41490	(16010516)
475778.85	3745842.00	11.47243	(16010516)	475800.05	3745888.80	9.42709	(16010516)
475789.98	3745940.18	7.50658	(16010516)	475892.19	3745936.40	4.88716	(14121116)
475893.32	3746111.50	3.05313	(14121116)	476130.12	3746085.01	2.56767	(10021916)
476129.71	3745935.03	4.68410	(10122216)	475595.68	3746575.78	1.09610	(10120216)
475911.01	3746495.74	1.21845	(11121915)	475863.30	3746556.38	1.16560	(14121116)
475594.25	3746890.12	0.80060	(10012016)	476146.43	3746600.47	0.94324	(16122315)
476082.93	3746873.86	0.80451	(10120316)	475609.08	3746999.92	0.69194	(10012016)
475745.21	3747048.16	0.63224	(14121116)	475382.02	3746160.96	2.15060	(16010516)
475411.04	3746003.05	2.18012	(10121515)	474409.00	3746437.28	1.54462	(10121516)
476290.36	3746244.91	2.00642	(10122216)	476339.29	3746119.15	2.58354	(10122216)
476311.38	3746179.40	2.38417	(10122216)	476277.82	3746288.18	1.73919	(10122216)
476333.63	3746432.95	1.30645	(10122216)	476384.17	3745949.30	3.48461	(10020516)
476360.32	3745999.45	3.40046	(10020516)	476412.89	3745836.48	3.19018	(10100416)
476404.80	3745918.57	3.26509	(10020516)	476434.06	3745820.87	3.34376	(10012115)
476454.86	3745720.49	3.67770	(10012115)	475797.42	3744976.75	3.55921	(16011116)
476060.39	3744909.25	3.18715	(10120716)	475777.26	3744882.37	2.79706	(16011116)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B17 ***
INCLUDING SOURCE(S): B17_1 , B17_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
475781.93	3744832.11	2.62851	(16011116)	475779.60	3744791.20	2.44655	(16011116)
475786.02	3744729.84	2.25431	(16011116)	475774.63	3744924.73	2.95008	(16011116)
475782.23	3744693.90	2.11106	(16011116)	475768.20	3744638.68	1.88769	(16011116)
475787.19	3744589.00	1.79694	(16011116)	475706.26	3744502.22	1.37057	(16011116)
475780.18	3744427.13	1.38422	(16011116)	475764.11	3744390.61	1.30057	(16011116)
477060.85	3744371.76	0.63147	(10111716)	476803.53	3745166.88	1.85567	(16010716)
477112.67	3745114.97	1.26394	(16010716)	477464.43	3745086.80	0.84697	(16010716)
477531.57	3745005.51	0.75206	(16010716)	475715.48	3746455.63	1.48449	(10012016)
475791.98	3746459.29	1.40361	(14121116)	475771.33	3746506.69	1.29915	(10012016)
475775.18	3746458.34	1.42754	(10012016)	475750.42	3746454.29	1.47677	(10012016)
476395.71	3744607.81	0.53850	(10112916)	476314.71	3744669.61	0.57244	(16012016)
476332.85	3744655.27	0.55905	(16012016)	476365.97	3744513.73	0.47870	(11120716)
476245.90	3744942.48	0.81237	(16012016)	476289.52	3745000.38	0.86917	(10112916)
476288.55	3745361.57	1.52945	(14111316)	475880.74	3745148.55	1.32049	(14111116)
475796.73	3745058.23	1.14438	(16011116)	475750.05	3745108.89	1.22618	(16011116)
475798.54	3745194.08	1.42420	(16011116)	475752.37	3745335.13	1.68026	(16011116)
475776.90	3745405.80	1.95993	(16011116)	475731.82	3745293.23	1.51861	(16011116)
475784.75	3745574.23	2.57753	(16011116)	475709.78	3745574.77	2.27917	(10113016)
475708.88	3745598.80	2.45747	(10113016)	475709.42	3745621.76	2.62767	(10113016)
475709.42	3745647.05	2.82138	(10113016)	475709.06	3745668.21	2.98649	(10113016)
475709.96	3745693.68	3.24122	(16112816)	475709.42	3745717.00	3.52372	(16112816)
475709.06	3745739.77	3.80740	(16112816)	475777.75	3745697.27	3.06195	(11120516)
475785.29	3745721.66	3.27189	(10113016)	475794.25			

3745802.05 4.34452 (10113016)
475778.85 3745842.00 4.98001 (10113016) 475800.05
3745888.80 5.86008 (10113016)
475789.98 3745940.18 7.93929 (11010316) 475892.19
3745936.40 9.54895 (14111116)
475893.32 3746111.50 33.85427 (11010316) 476130.12
3746085.01 16.95688 (15120816)
476129.71 3745935.03 7.55945 (10123016) 475595.68
3746575.78 4.87915 (10121515)
475911.01 3746495.74 17.34338 (16010516) 475863.30
3746556.38 13.31206 (16010516)
475594.25 3746890.12 4.66773 (16010516) 476146.43
3746600.47 7.54074 (10122216)
476082.93 3746873.86 2.61558 (10120316) 475609.08
3746999.92 3.26026 (16010516)
475745.21 3747048.16 1.96034 (10012016) 475382.02
3746160.96 3.83887 (14120316)
475411.04 3746003.05 5.43819 (10122116) 474409.00
3746437.28 0.82781 (10122115)
476290.36 3746244.91 13.43133 (10122916) 476339.29
3746119.15 8.37087 (16010716)
476311.38 3746179.40 12.00533 (16010716) 476277.82
3746288.18 14.75065 (10122916)
476333.63 3746432.95 7.34187 (10012115) 476384.17
3745949.30 4.65547 (14103116)
476360.32 3745999.45 5.70741 (14103116) 476412.89
3745836.48 3.29178 (16011916)
476404.80 3745918.57 4.08111 (10120816) 476434.06
3745820.87 3.08988 (16011916)
476454.86 3745720.49 2.57282 (14121916) 475797.42
3744976.75 1.00762 (16011116)
476060.39 3744909.25 0.88800 (10120716) 475777.26
3744882.37 0.88759 (16011116)
475781.93 3744832.11 0.82154 (16011116) 475779.60
3744791.20 0.77602 (16011116)
475786.02 3744729.84 0.70542 (16011116) 475774.63
3744924.73 0.94576 (16011116)
475782.23 3744693.90 0.67353 (16011116) 475768.20
3744638.68 0.63498 (16011116)
475787.19 3744589.00 0.59583 (14111116) 475706.26
3744502.22 0.56213 (16011116)
475780.18 3744427.13 0.50298 (10120616) 475764.11
3744390.61 0.48844 (10120616)
477060.85 3744371.76 0.53368 (11111816) 476803.53
3745166.88 0.90958 (10121016)
477112.67 3745114.97 0.61749 (10111716) 477464.43
3745086.80 0.43145 (14103116)
477531.57 3745005.51 0.38421 (14103116) 475715.48
3746455.63 10.43930 (10121515)
475791.98 3746459.29 19.82631 (16010516) 475771.33
3746506.69 15.87351 (16010516)
475775.18 3746458.34 17.75735 (16010516) 475750.42
3746454.29 14.13847 (16010516)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B18 ***
INCLUDING SOURCE(S): B18_1 , B18_2 ,
B18_3 , B18_4 , B18_5 ,
B18_6 , B18_7 , B18_8 , B18_9 , B18_10 ,

B18_11 , B18_12 , B18_13 ,
B18_14 , B18_15 , B18_16 , B18_17 , B18_18 ,
B18_19 , B18_20 , B18_21 ,
B18_22 , B18_23 , B18_24 , B18_25 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.54017	(14111316)	476314.71	3744669.61	0.58295	(14111316)
476332.85	3744655.27	0.57500	(14111316)	476365.97	3744513.73	0.48821	(14111316)
476245.90	3744942.48	0.82172	(14111316)	476289.52	3745000.38	0.85585	(11111816)
476288.55	3745361.57	1.56575	(11111816)	475880.74	3745148.55	1.09485	(16012016)
475796.73	3745058.23	1.01999	(10120716)	475750.05	3745108.89	1.20211	(10120716)
475798.54	3745194.08	1.22940	(10121316)	475752.37	3745335.13	1.71392	(10120716)
475776.90	3745405.80	1.84152	(10121316)	475731.82	3745293.23	1.63813	(10120716)
475784.75	3745574.23	2.70453	(10121316)	475709.78	3745574.77	3.00198	(10120716)
475708.88	3745598.80	3.20048	(10120716)	475709.42	3745621.76	3.40930	(10120716)
475709.42	3745647.05	3.66361	(10120716)	475709.06	3745668.21	3.90185	(10120716)
475709.96	3745693.68	4.22513	(10120716)	475709.42	3745717.00	4.58439	(14111116)
475709.06	3745739.77	4.98024	(14111116)	475777.75	3745697.27	3.77754	(10121316)
475785.29	3745721.66	4.02023	(10121316)	475794.25	3745802.05	5.25877	(11122116)
475778.85	3745842.00	6.16084	(11122116)	475800.05	3745888.80	7.33840	(14121016)
475789.98	3745940.18	9.59837	(14121016)	475892.19	3745936.40	8.91156	(11111816)
475893.32	3746111.50	14.13884	(10101916)	476130.12	3746085.01	4.61300	(16010716)
476129.71	3745935.03	3.80621	(14103116)	475595.68	3746575.78	30.23517	(16010516)
475911.01	3746495.74	11.42994	(10020516)	475863.30	3746556.38	12.73631	(10020516)
475594.25	3746890.12	4.12960	(14121116)	476146.43	3746600.47	3.32780	(10012115)
476082.93	3746873.86	2.91717	(10020516)	475609.08	3746999.92	2.94135	(14121116)
475745.21	3747048.16	2.49648	(10120316)	475382.02	3746160.96	10.01489	(11010316)
475411.04	3746003.05	15.11138	(11010316)	474409.00	3746437.28	1.01089	(16010616)
476290.36	3746244.91	2.87516	(10122916)	476339.29	3746119.15	3.10003	(16010716)
476311.38	3746179.40	3.08484	(16010716)	476277.82	3746288.18	3.24662	(10122916)
476333.63	3746432.95	2.20038	(10121516)	476384.17	3745949.30	1.75970	(16010716)
476360.32	3745999.45	2.32267	(16010716)	476412.89	3745836.48	1.72994	(14103116)

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       476404.80   3745918.57        1.57196  (11112516)                     476434.06
       3745820.87        1.64569  (14103116)
       476454.86   3745720.49        1.55584  (14103116)                     475797.42
       3744976.75        0.92144  (10120716)
       476060.39   3744909.25        0.77164  (10112916)                     475777.26
       3744882.37        0.86270  (10120716)
       475781.93   3744832.11        0.80840  (10120716)                     475779.60
       3744791.20        0.77662  (10120716)
       475786.02   3744729.84        0.72014  (10120716)                     475774.63
       3744924.73        0.91071  (10120716)
       475782.23   3744693.90        0.69914  (10120716)                     475768.20
       3744638.68        0.67607  (10120716)
       475787.19   3744589.00        0.62683  (10120716)                     475706.26
       3744502.22        0.61673  (10120716)
       475780.18   3744427.13        0.54908  (10120716)                     475764.11
       3744390.61        0.54282  (10120716)
       477060.85   3744371.76        0.39309  (10121016)                     476803.53
       3745166.88        0.63512  (10111716)
       477112.67   3745114.97        0.44222  (10120816)                     477464.43
       3745086.80        0.35420  (14123016)
       477531.57   3745005.51        0.33069  (14123016)                     475715.48
       3746455.63       39.13678  (10121516)
       475791.98   3746459.29       36.96945  (10122216)                     475771.33
       3746506.69       21.64943  (10122216)
       475775.18   3746458.34       37.45378  (10122216)                     475750.42
       3746454.29       38.25389  (10122216)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        14:51:46

                    PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR
                            SOURCE GROUP:  ALL      ***
                                INCLUDING SOURCE(S):     B13_1       , B13_2       ,
                                B14_1       , B14_2       , B14_3       ,
                B14_4       , B14_5       , B14_6       , B17_1       , B17_2       ,
                B18_1       , B18_2       , B18_3       ,
                B18_4       , B18_5       , B18_6       , B18_7       , B18_8       ,
                B18_9       , B18_10      , B18_11      ,
                B18_12      , B18_13      , B18_14      , B18_15      , B18_16      ,
                B18_17      , B18_18      ,  . . .      ,

                                               *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
       476395.71   3744607.81        6.20271  (11111816)                     476314.71
       3744669.61        7.27909  (14111316)
       476332.85   3744655.27        6.84164  (14111316)                     476365.97
       3744513.73        5.08582  (14111316)
       476245.90   3744942.48       17.72504  (15120816)                     476289.52
       3745000.38       15.44486  (10121516)
       476288.55   3745361.57       20.70286  (10121516)                     475880.74
       3745148.55       21.35154  (16010616)
       475796.73   3745058.23       13.20233  (11010316)                     475750.05
       3745108.89       11.26293  (10121516)
       475798.54   3745194.08       15.17839  (10121516)                     475752.37
       3745335.13       29.15487  (11010316)
```

475776.90 3745405.80 34.89383 (16010616) 475731.82
3745293.23 23.14263 (11010316)
475784.75 3745574.23 41.65903 (16010616) 475709.78
3745574.77 21.88156 (16010616)
475708.88 3745598.80 19.06899 (16010616) 475709.42
3745621.76 16.23920 (16010616)
475709.42 3745647.05 14.85498 (10121516) 475709.06
3745668.21 14.41773 (10121516)
475709.96 3745693.68 15.10679 (16010516) 475709.42
3745717.00 15.85996 (16010516)
475709.06 3745739.77 16.27148 (16010516) 475777.75
3745697.27 26.47575 (16010516)
475785.29 3745721.66 25.13672 (16010516) 475794.25
3745802.05 18.43652 (16010516)
475778.85 3745842.00 15.89896 (16010516) 475800.05
3745888.80 15.47573 (10121516)
475789.98 3745940.18 16.85379 (10121516) 475892.19
3745936.40 17.26909 (10121516)
475893.32 3746111.50 34.80731 (10121516) 476130.12
3746085.01 21.63069 (10121516)
476129.71 3745935.03 14.60361 (10121516) 475595.68
3746575.78 34.89707 (16010516)
475911.01 3746495.74 21.07891 (10121516) 475863.30
3746556.38 16.93570 (10121516)
475594.25 3746890.12 5.79146 (16010516) 476146.43
3746600.47 9.93566 (10121516)
476082.93 3746873.86 5.36499 (10121516) 475609.08
3746999.92 4.55031 (10012016)
475745.21 3747048.16 4.05233 (10121516) 475382.02
3746160.96 11.77692 (16010616)
475411.04 3746003.05 18.16903 (11010316) 474409.00
3746437.28 3.37145 (10121516)
476290.36 3746244.91 16.33471 (10122916) 476339.29
3746119.15 11.50423 (16010716)
476311.38 3746179.40 15.11929 (16010716) 476277.82
3746288.18 18.02265 (10122916)
476333.63 3746432.95 9.68579 (10121516) 476384.17
3745949.30 9.18646 (10121516)
476360.32 3745999.45 9.79638 (10121516) 476412.89
3745836.48 8.81045 (10121516)
476404.80 3745918.57 8.80752 (10121516) 476434.06
3745820.87 8.51353 (10121516)
476454.86 3745720.49 8.59974 (10121516) 475797.42
3744976.75 13.47044 (11010316)
476060.39 3744909.25 29.46694 (14111116) 475777.26
3744882.37 13.38396 (11010316)
475781.93 3744832.11 12.63492 (11010316) 475779.60
3744791.20 10.64135 (11010316)
475786.02 3744729.84 6.67430 (11010316) 475774.63
3744924.73 12.92516 (11010316)
475782.23 3744693.90 5.67126 (16112816) 475768.20
3744638.68 5.02842 (16112816)
475787.19 3744589.00 4.25680 (16112816) 475706.26
3744502.22 3.64067 (16112816)
475780.18 3744427.13 3.25429 (16011116) 475764.11
3744390.61 3.03370 (16011116)
477060.85 3744371.76 1.77825 (10121516) 476803.53
3745166.88 4.34084 (10121516)
477112.67 3745114.97 2.68604 (10121516) 477464.43
3745086.80 1.80457 (10121516)
477531.57 3745005.51 1.65253 (10121516) 475715.48
3746455.63 48.46242 (16010516)
475791.98 3746459.29 37.42664 (10122216) 475771.33
3746506.69 25.85338 (10121516)
475775.18 3746458.34 40.09598 (10121516) 475750.42
3746454.29 45.51023 (10121516)

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
B13	HIGH 1ST HIGH VALUE IS	25.63613	ON 14111116: AT (476060.39, 3744909.25, 466.65, 466.65, 2.00)	DC	
B14	HIGH 1ST HIGH VALUE IS	40.31028	ON 16010616: AT (475784.75, 3745574.23, 467.84, 467.84, 2.00)	DC	
B17	HIGH 1ST HIGH VALUE IS	33.85427	ON 11010316: AT (475893.32, 3746111.50, 465.00, 465.00, 2.00)	DC	
B18	HIGH 1ST HIGH VALUE IS	39.13678	ON 10121516: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC	
ALL	HIGH 1ST HIGH VALUE IS	48.46242	ON 16010516: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC	

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

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

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

******** FATAL ERROR MESSAGES ********

*** NONE ***

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

```
ME W186     667       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187     667       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:     14010101
MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2 year gap
```

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Cons PM2_5\13697 Cons PM2_5.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Cons PM2_5.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
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   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
   LOCATION B13DUST      AREAPOLY   476007.118  3745359.932      465.420
   LOCATION B14DUST      AREAPOLY   475821.186  3745614.341      466.620
   LOCATION B17DUST      AREAPOLY   475828.442  3746166.240      466.250
   LOCATION B18DUST      AREAPOLY   475605.324  3746536.290      469.000
** Source Parameters **
   SRCPARAM B13_1        0.0007874868     5.000    44.819     1.400
   SRCPARAM B13_2        0.0007874868     5.000    44.819     1.400
   SRCPARAM B14_1        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_2        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_3        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_4        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_5        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_6        0.0002624955     5.000    27.337     1.400
   SRCPARAM B17_1        0.0007874868     5.000    44.726     1.400
   SRCPARAM B17_2        0.0007874868     5.000    44.726     1.400
   SRCPARAM B18_1        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_2        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_3        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_4        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_5        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_6        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_7        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_8        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_9        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_10       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_11       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_12       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_13       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_14       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_15       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_16       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_17       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_18       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_19       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_20       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_21       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_22       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_23       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_24       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_25       0.0000629989     5.000    12.365     1.400
   SRCPARAM B13DUST      5.7875E-07     0.000         4     1.000
   AREAVERT B13DUST      476007.118 3745359.932 476195.771 3745359.932
   AREAVERT B13DUST      476198.038 3744975.825 476005.304 3744976.278
   SRCPARAM B14DUST      5.4043E-07     0.000        22     1.000
   AREAVERT B14DUST      475821.186 3745614.341 475967.211 3745614.341
   AREAVERT B14DUST      475987.618 3745616.155 476008.478 3745622.050
   AREAVERT B14DUST      476029.793 3745631.120 476053.374 3745643.364
   AREAVERT B14DUST      476101.444 3745578.062 476130.468 3745539.061
   AREAVERT B14DUST      476151.328 3745508.677 476171.735 3745475.119
   AREAVERT B14DUST      476180.352 3745454.258 476188.515 3745427.956
   AREAVERT B14DUST      476194.864 3745391.677 476195.317 3745383.514
   AREAVERT B14DUST      476170.375 3745382.153 475910.524 3745383.060
   AREAVERT B14DUST      475899.640 3745380.793 475880.594 3745375.351
   AREAVERT B14DUST      475860.640 3745370.362 475849.303 3745370.362
   AREAVERT B14DUST      475822.547 3745365.374 475819.372 3745371.723
   SRCPARAM B17DUST      6.4739E-07     0.000         7     1.000
   AREAVERT B17DUST      475828.442 3746166.240 475830.710 3746353.079
   AREAVERT B17DUST      476130.468 3746354.893 476196.224 3746166.694
   AREAVERT B17DUST      476163.573 3746166.240 476165.387 3746158.984
   AREAVERT B17DUST      475828.896 3746157.170
   SRCPARAM B18DUST      7.1145E-07     0.000        13     1.000
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   AREAVERT B18DUST      475605.324 3746536.290 475659.743 3746536.290
   AREAVERT B18DUST      475659.290 3746456.021 475654.301 3746449.219
   AREAVERT B18DUST      475657.476 3746438.789 475663.371 3746431.986
   AREAVERT B18DUST      475669.267 3746430.626 475678.337 3746431.533
   AREAVERT B18DUST      475693.302 3746436.975 475798.058 3746436.068
   AREAVERT B18DUST      475802.140 3746431.533 475804.407 3746158.077
   AREAVERT B18DUST      475608.952 3746158.984
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_7        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_13       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_14       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_15       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_16       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_17       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_18       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_19       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_20       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_21       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_22       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_23       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_24       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_25       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP B13      B13_1 B13_2 B13DUST
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6 B14DUST
   SRCGROUP B17      B17_1 B17_2 B17DUST
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP B18      B18DUST
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Cons PM2_5.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
   PLOTFILE 24 ALL 1ST "13697 CONS PM2_5.AD\24H_ALL.PLT" 31
   PLOTFILE 24 B13 1ST "13697 CONS PM2_5.AD\24H_B13.PLT" 32
   PLOTFILE 24 B14 1ST "13697 CONS PM2_5.AD\24H_B14.PLT" 33
   PLOTFILE 24 B17 1ST "13697 CONS PM2_5.AD\24H_B17.PLT" 34
   PLOTFILE 24 B18 1ST "13697 CONS PM2_5.AD\24H_B18.PLT" 35
   SUMMFILE "13697 Cons PM2_5.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

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** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Cons PM2_5\13697 Cons PM2_5.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Cons PM2_5.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
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   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
   LOCATION B13DUST      AREAPOLY   476007.118  3745359.932      465.420
   LOCATION B14DUST      AREAPOLY   475821.186  3745614.341      466.620
   LOCATION B17DUST      AREAPOLY   475828.442  3746166.240      466.250
   LOCATION B18DUST      AREAPOLY   475605.324  3746536.290      469.000
** Source Parameters **
   SRCPARAM B13_1        0.0007874868     5.000    44.819     1.400
   SRCPARAM B13_2        0.0007874868     5.000    44.819     1.400
   SRCPARAM B14_1        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_2        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_3        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_4        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_5        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_6        0.0002624955     5.000    27.337     1.400
   SRCPARAM B17_1        0.0007874868     5.000    44.726     1.400
   SRCPARAM B17_2        0.0007874868     5.000    44.726     1.400
   SRCPARAM B18_1        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_2        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_3        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_4        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_5        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_6        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_7        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_8        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_9        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_10       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_11       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_12       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_13       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_14       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_15       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_16       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_17       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_18       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_19       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_20       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_21       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_22       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_23       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_24       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_25       0.0000629989     5.000    12.365     1.400
   SRCPARAM B13DUST      5.7875E-07     0.000         4     1.000
   AREAVERT B13DUST      476007.118 3745359.932 476195.771 3745359.932
   AREAVERT B13DUST      476198.038 3744975.825 476005.304 3744976.278
   SRCPARAM B14DUST      5.4043E-07     0.000        22     1.000
   AREAVERT B14DUST      475821.186 3745614.341 475967.211 3745614.341
   AREAVERT B14DUST      475987.618 3745616.155 476008.478 3745622.050
   AREAVERT B14DUST      476029.793 3745631.120 476053.374 3745643.364
   AREAVERT B14DUST      476101.444 3745578.062 476130.468 3745539.061
   AREAVERT B14DUST      476151.328 3745508.677 476171.735 3745475.119
   AREAVERT B14DUST      476180.352 3745454.258 476188.515 3745427.956
   AREAVERT B14DUST      476194.864 3745391.677 476195.317 3745383.514
   AREAVERT B14DUST      476170.375 3745382.153 475910.524 3745383.060
   AREAVERT B14DUST      475899.640 3745380.793 475880.594 3745375.351
   AREAVERT B14DUST      475860.640 3745370.362 475849.303 3745370.362
   AREAVERT B14DUST      475822.547 3745365.374 475819.372 3745371.723
   SRCPARAM B17DUST      6.4739E-07     0.000         7     1.000
   AREAVERT B17DUST      475828.442 3746166.240 475830.710 3746353.079
   AREAVERT B17DUST      476130.468 3746354.893 476196.224 3746166.694
   AREAVERT B17DUST      476163.573 3746166.240 476165.387 3746158.984
   AREAVERT B17DUST      475828.896 3746157.170
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   SRCPARAM B18DUST      7.1145E-07     0.000        13     1.000
   AREAVERT B18DUST      475605.324 3746536.290 475659.743 3746536.290
   AREAVERT B18DUST      475659.290 3746456.021 475654.301 3746449.219
   AREAVERT B18DUST      475657.476 3746438.789 475663.371 3746431.986
   AREAVERT B18DUST      475669.267 3746430.626 475678.337 3746431.533
   AREAVERT B18DUST      475693.302 3746436.975 475798.058 3746436.068
   AREAVERT B18DUST      475802.140 3746431.533 475804.407 3746158.077
   AREAVERT B18DUST      475608.952 3746158.984
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_7        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_8        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_9        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_10       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_11       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT B18_12       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_13       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_14       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_15       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_16       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_17       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_18       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_19       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_20       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_21       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_22       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_23       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_24       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_25       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP B13      B13_1 B13_2 B13DUST
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6 B14DUST
   SRCGROUP B17      B17_1 B17_2 B17DUST
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP B18      B18DUST
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Cons PM2_5.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
   PLOTFILE 24 ALL 1ST "13697 CONS PM2_5.AD\24H_ALL.PLT" 31
   PLOTFILE 24 B13 1ST "13697 CONS PM2_5.AD\24H_B13.PLT" 32
   PLOTFILE 24 B14 1ST "13697 CONS PM2_5.AD\24H_B14.PLT" 33
   PLOTFILE 24 B17 1ST "13697 CONS PM2_5.AD\24H_B17.PLT" 34
   PLOTFILE 24 B18 1ST "13697 CONS PM2_5.AD\24H_B18.PLT" 35
   SUMMFILE "13697 Cons PM2_5.sum"
OU FINISHED


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

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

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


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

```
   ********   WARNING MESSAGES   ********
 ME W186     760       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     760       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       16:14:20

                     PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - -

 ** 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    39 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
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Accepts FLAGPOLE Receptor . Heights.
      * The User Specified a Pollutant Type of: PM_2.5

 **Model Calculates  1 Short Term Average(s) of:  24-HR

 **This Run Includes:     39 Source(s);       5 Source Group(s); and      78 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     35 VOLUME source(s)
                 and:      4 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)
```

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   442.00 ; Decay Coef. =
0.000   ; Rot. Angle =   0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor =   0.10000E+07
Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   3.6 MB of RAM.

**Input Runstream File:
aermod.inp
**Output Print File:
aermod.out

**Detailed Error/Message File: 13697 Cons
PM2_5.err
**File for Summary of Results: 13697 Cons
PM2_5.sum

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	
B13_1	0	0.78749E-03	476101.1	3745262.2	464.0	5.00	44.82	1.40	YES HRDOW
B13_2	0	0.78749E-03	476102.0	3745072.0	465.9	5.00	44.82	1.40	YES HRDOW
B14_1	0	0.26250E-03	475881.8	3745554.6	466.0	5.00	27.34	1.40	YES HRDOW
B14_2	0	0.26250E-03	475881.2	3745437.3	468.2	5.00	27.34	1.40	YES HRDOW
B14_3	0	0.26250E-03	475999.6	3745554.0	464.7	5.00	27.34	1.40	YES HRDOW
B14_4	0	0.26250E-03	476000.0	3745437.7	465.7	5.00	27.34	1.40	YES HRDOW
B14_5	0	0.26250E-03	476071.8	3745548.2	464.0	5.00	27.34	1.40	YES HRDOW
B14_6	0	0.26250E-03	476118.4	3745439.0	463.0	5.00	27.34	1.40	YES HRDOW
B17_1	0	0.78749E-03	475926.0	3746256.1	465.0	5.00	44.73	1.40	YES HRDOW
B17_2	0	0.78749E-03	476070.8	3746258.4	463.0	5.00	44.73	1.40	YES HRDOW
B18_1	0	0.62999E-04	475632.5	3746502.6	469.1	5.00	12.37	1.40	YES HRDOW
B18_2	0	0.62999E-04	475633.4	3746447.8	469.9	5.00	12.37	1.40	YES HRDOW

```
 B18_3            0   0.62999E-04  475638.8 3746403.3   469.7     5.00    12.37     1.40
 YES   HRDOW
 B18_4            0   0.62999E-04  475681.1 3746405.0   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_5            0   0.62999E-04  475727.7 3746410.8   467.7     5.00    12.37     1.40
 YES   HRDOW
 B18_6            0   0.62999E-04  475775.0 3746409.1   466.4     5.00    12.37     1.40
 YES   HRDOW
 B18_7            0   0.62999E-04  475640.0 3746350.6   469.9     5.00    12.37     1.40
 YES   HRDOW
 B18_8            0   0.62999E-04  475690.3 3746353.5   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_9            0   0.62999E-04  475774.6 3746355.1   467.2     5.00    12.37     1.40
 YES   HRDOW
 B18_10           0   0.62999E-04  475731.0 3746357.2   468.0     5.00    12.37     1.40
 YES   HRDOW
 B18_11           0   0.62999E-04  475639.2 3746296.6   469.7     5.00    12.37     1.40
 YES   HRDOW
 B18_12           0   0.62999E-04  475689.9 3746300.7   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_13           0   0.62999E-04  475740.5 3746303.6   468.0     5.00    12.37     1.40
 YES   HRDOW
 B18_14           0   0.62999E-04  475774.6 3746301.6   467.2     5.00    12.37     1.40
 YES   HRDOW
 B18_15           0   0.62999E-04  475637.5 3746242.6   469.8     5.00    12.37     1.40
 YES   HRDOW
 B18_16           0   0.62999E-04  475683.6 3746246.3   469.1     5.00    12.37     1.40
 YES   HRDOW
 B18_17           0   0.62999E-04  475729.3 3746245.5   468.0     5.00    12.37     1.40
 YES   HRDOW
 B18_18           0   0.62999E-04  475774.2 3746248.0   467.2     5.00    12.37     1.40
 YES   HRDOW
 B18_19           0   0.62999E-04  475635.9 3746187.3   469.3     5.00    12.37     1.40
 YES   HRDOW
 B18_20           0   0.62999E-04  475689.0 3746191.9   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_21           0   0.62999E-04  475740.1 3746192.3   467.7     5.00    12.37     1.40
 YES   HRDOW
 B18_22           0   0.62999E-04  475775.0 3746192.7   467.1     5.00    12.37     1.40
 YES   HRDOW
 B18_23           0   0.62999E-04  475689.5 3746183.6   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_24           0   0.62999E-04  475743.5 3746185.2   467.4     5.00    12.37     1.40
 YES   HRDOW
 B18_25           0   0.62999E-04  475771.3 3746185.7   467.1     5.00    12.37     1.40
 YES   HRDOW
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       16:14:20

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                *** AREAPOLY SOURCE DATA ***

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

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 B13DUST          0   0.57875E-06  476007.1 3745359.9   465.4     0.00       4         1.00
 YES   HRDOW
 B14DUST          0   0.54043E-06  475821.2 3745614.3   466.6     0.00      22         1.00
 YES   HRDOW
 B17DUST          0   0.64739E-06  475828.4 3746166.2   466.2     0.00       7         1.00
 YES   HRDOW
 B18DUST          0   0.71145E-06  475605.3 3746536.3   469.0     0.00      13         1.00
 YES   HRDOW
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       16:14:20

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  B13        B13_1       , B13_2       , B13DUST     ,

  B14        B14_1       , B14_2       , B14_3       , B14_4       , B14_5       , B14_6       ,
  B14DUST     ,

  B17        B17_1       , B17_2       , B17DUST     ,

  B18        B18_1       , B18_2       , B18_3       , B18_4       , B18_5       , B18_6       ,
  B18_7       , B18_8       ,

             B18_9       , B18_10      , B18_11      , B18_12      , B18_13      , B18_14      ,
             B18_15      , B18_16      ,

             B18_17      , B18_18      , B18_19      , B18_20      , B18_21      , B18_22      ,
             B18_23      , B18_24      ,

             B18_25      , B18DUST     ,

  ALL        B13_1       , B13_2       , B14_1       , B14_2       , B14_3       , B14_4       ,
  B14_5       , B14_6       ,

             B17_1       , B17_2       , B18_1       , B18_2       , B18_3       , B18_4       ,
             B18_5       , B18_6       ,

             B18_7       , B18_8       , B18_9       , B18_10      , B18_11      , B18_12      ,
             B18_13      , B18_14      ,

             B18_15      , B18_16      , B18_17      , B18_18      , B18_19      , B18_20      ,
             B18_21      , B18_22      ,

             B18_23      , B18_24      , B18_25      , B13DUST     , B14DUST     , B17DUST     ,
             B18DUST     ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       16:14:20

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


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

```
 URBAN ID   URBAN POP                                             SOURCE IDs
 --------   ---------                                             ----------


             2189641.   B13_1       , B13_2       , B14_1       , B14_2       , B14_3       ,
             B14_4       , B14_5       ,
B14_6       ,

            B17_1       , B17_2       , B18_1       , B18_2       , B18_3       , B18_4       ,
            B18_5       , B18_6       ,

            B18_7       , B18_8       , B18_9       , B18_10      , B18_11      , B18_12      ,
            B18_13      , B18_14      ,

            B18_15      , B18_16      , B18_17      , B18_18      , B18_19      , B18_20      ,
            B18_21      , B18_22      ,

            B18_23      , B18_24      , B18_25      , B13DUST     , B14DUST     , B17DUST     ,
            B18DUST     ,
```


```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                    (HRDOW) *

 SOURCE ID = B13_1        ; 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  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                    (HRDOW) *
```

SOURCE ID = B13_2 ; 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23
*** AERMET - VERSION 16216 ***
*** *** 16:14:20

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B14_1 ; 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23

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*** AERMET - VERSION  16216 ***
***                                                                           ***        16:14:20

                     PAGE   9
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

SOURCE ID = B14_2        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
*** AERMET - VERSION  16216 ***
***                                                                           ***        16:14:20

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*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

SOURCE ID = B14_3        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        16:14:20

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

                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                     (HRDOW) *

 SOURCE ID = B14_4        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        16:14:20

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                     (HRDOW) *

 SOURCE ID = B14_5        ; 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 = B14_6 ; SOURCE TYPE = VOLUME :

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

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B17_1 ; SOURCE TYPE = VOLUME :

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

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B17_2 ; 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 = B18_1 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_2 ; 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

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_3 ; 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 = B18_4 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        16:14:20

                     PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_5        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        16:14:20

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_6        ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_7   ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_8   ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_9 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_10 ; 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23
*** AERMET - VERSION 16216 ***
*** *** 16:14:20

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_11 ; 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 = B18_12 ; 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 = B18_13 ; 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 = B18_14 ; 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 = B18_15 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_16 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = B18_17 ; 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 = B18_18 ; 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 = B18_19 ; 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 = B18_20 ; 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 = B18_21 ; 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 = B18_22 ; 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

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 = B18_23 ; 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 = B18_24 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_25 ; 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 = B13DUST ; SOURCE TYPE = AREAPOLY :

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 = B14DUST ; SOURCE TYPE = AREAPOLY :

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 = B17DUST ; SOURCE TYPE = AREAPOLY :

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 = B18DUST ; SOURCE TYPE = AREAPOLY :

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					

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

(476395.7, 3744607.8, 462.5, 462.5, 2.0); (476314.7, 3744669.6, 463.2, 463.2, 2.0);
(476332.8, 3744655.3, 463.0, 463.0, 2.0); (476366.0, 3744513.7, 463.2, 463.2, 2.0);
(476245.9, 3744942.5, 463.5, 463.5, 2.0); (476289.5, 3745000.4, 463.0, 463.0, 2.0);
(476288.5, 3745361.6, 461.2, 461.2, 2.0); (475880.7, 3745148.5, 468.0, 468.0, 2.0);
(475796.7, 3745058.2, 469.6, 469.6, 2.0); (475750.0, 3745108.9, 470.0, 470.0, 2.0);
(475798.5, 3745194.1, 469.1, 469.1, 2.0); (475752.4, 3745335.1, 469.9, 469.9, 2.0);
(475776.9, 3745405.8, 470.0, 470.0, 2.0); (475731.8, 3745293.2, 470.6, 470.6, 2.0);
(475784.8, 3745574.2, 467.8, 467.8, 2.0); (475709.8, 3745574.8, 469.3, 469.3, 2.0);
(475708.9, 3745598.8, 469.4, 469.4, 2.0); (475709.4, 3745621.8, 469.2, 469.2, 2.0);
(475709.4, 3745647.0, 469.0, 469.0, 2.0); (475709.1, 3745668.2, 469.0, 469.0, 2.0);
(475710.0, 3745693.7, 469.3, 469.3, 2.0); (475709.4, 3745717.0, 469.4, 469.4, 2.0);
(475709.1, 3745739.8, 469.4, 469.4, 2.0); (475777.8, 3745697.3, 468.0, 468.0, 2.0);
(475785.3, 3745721.7, 467.8, 467.8, 2.0); (475794.2, 3745802.0, 467.5, 467.5, 2.0);
(475778.8, 3745842.0, 468.0, 468.0, 2.0); (475800.0, 3745888.8, 467.3, 467.3, 2.0);
(475790.0, 3745940.2, 467.0, 467.0, 2.0); (475892.2, 3745936.4, 465.2, 465.2, 2.0);
(475893.3, 3746111.5, 465.0, 465.0, 2.0); (476130.1, 3746085.0, 462.0, 462.0, 2.0);
(476129.7, 3745935.0, 462.0, 462.0, 2.0); (475595.7, 3746575.8, 469.1, 469.1, 2.0);
(475911.0, 3746495.7, 464.0, 464.0, 2.0); (475863.3, 3746556.4, 464.5, 464.5, 2.0);
(475594.2, 3746890.1, 468.4, 468.4, 2.0); (476146.4, 3746600.5, 460.7, 460.7, 2.0);
(476082.9, 3746873.9, 459.9, 459.9, 2.0); (475609.1, 3746999.9, 467.0, 467.0, 2.0);
(475745.2, 3747048.2, 464.2, 464.2, 2.0); (475382.0, 3746161.0, 476.1, 476.1, 2.0);
(475411.0, 3746003.0, 475.3, 475.3, 2.0); (474409.0, 3746437.3, 518.9, 524.0, 2.0);

(476290.4, 3746244.9, 460.0, 460.0, 2.0); (476339.3, 3746119.1,
460.0, 460.0, 2.0);
(476311.4, 3746179.4, 460.0, 460.0, 2.0); (476277.8, 3746288.2,
460.0, 460.0, 2.0);
(476333.6, 3746432.9, 459.0, 459.0, 2.0); (476384.2, 3745949.3,
460.0, 460.0, 2.0);
(476360.3, 3745999.4, 460.0, 460.0, 2.0); (476412.9, 3745836.5,
460.0, 460.0, 2.0);
(476404.8, 3745918.6, 460.0, 460.0, 2.0); (476434.1, 3745820.9,
460.0, 460.0, 2.0);
(476454.9, 3745720.5, 459.0, 459.0, 2.0); (475797.4, 3744976.8,
471.0, 471.0, 2.0);
(476060.4, 3744909.2, 466.7, 466.7, 2.0); (475777.3, 3744882.4,
472.0, 472.0, 2.0);
(475781.9, 3744832.1, 471.9, 471.9, 2.0); (475779.6, 3744791.2,
472.0, 472.0, 2.0);
(475786.0, 3744729.8, 472.0, 472.0, 2.0); (475774.6, 3744924.7,
471.8, 471.8, 2.0);
(475782.2, 3744693.9, 472.0, 472.0, 2.0); (475768.2, 3744638.7,
473.0, 473.0, 2.0);
(475787.2, 3744589.0, 472.1, 472.1, 2.0); (475706.3, 3744502.2,
473.1, 473.1, 2.0);
(475780.2, 3744427.1, 473.0, 473.0, 2.0); (475764.1, 3744390.6,
473.5, 473.5, 2.0);
(477060.8, 3744371.8, 455.0, 455.0, 2.0); (476803.5, 3745166.9,
456.0, 456.0, 2.0);
(477112.7, 3745115.0, 453.6, 453.6, 2.0); (477464.4, 3745086.8,
450.0, 450.0, 2.0);
(477531.6, 3745005.5, 450.0, 450.0, 2.0); (475715.5, 3746455.6,
468.1, 468.1, 2.0);
(475792.0, 3746459.3, 466.3, 466.3, 2.0); (475771.3, 3746506.7,
466.3, 466.3, 2.0);
(475775.2, 3746458.3, 466.7, 466.7, 2.0); (475750.4, 3746454.3,
467.0, 467.0, 2.0);

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

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80	53.	9.1	293.8	5.5

```
10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
11.    9.1  292.5    5.5
10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
351.    9.1  290.4    5.5
10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
186.    9.1  287.5    5.5
10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
275.    9.1  285.9    5.5
10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
181.    9.1  285.4    5.5
10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
318.    9.1  284.9    5.5
10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
196.    9.1  283.1    5.5
10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
330.    9.1  281.4    5.5
10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
332.    9.1  280.9    5.5


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        16:14:20

                     PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR
                               SOURCE GROUP:  B13      ***
                                   INCLUDING SOURCE(S):     B13_1       , B13_2       ,
                                   B13DUST     ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                         ** CONC OF PM_2.5   IN
                                         MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - -
       476395.71   3744607.81        0.11526  (14120124)                476314.71
       3744669.61        0.15363  (14120124)
       476332.85   3744655.27        0.14526  (14120124)                476365.97
       3744513.73        0.08885  (14120124)
       476245.90   3744942.48        0.50118  (14120124)                476289.52
       3745000.38        0.29662m (10052024)
       476288.55   3745361.57        0.33275  (15122224)                475880.74
       3745148.55        0.42482  (10121524)
       475796.73   3745058.23        0.19090c (10122124)                475750.05
       3745108.89        0.14727  (10121524)
       475798.54   3745194.08        0.29568  (10121524)                475752.37
       3745335.13        0.26495  (10121524)
       475776.90   3745405.80        0.24944  (10121524)                475731.82
       3745293.23        0.25289  (10121524)
       475784.75   3745574.23        0.11482  (16010524)                475709.78
       3745574.77        0.07038  (11051724)
       475708.88   3745598.80        0.06729  (11051724)                475709.42
       3745621.76        0.06442  (11051724)
```

475709.42 3745647.05 0.06867 (16010524) 475709.06
3745668.21 0.07327 (16010524)
475709.96 3745693.68 0.07896 (16010524) 475709.42
3745717.00 0.08261 (16010524)
475709.06 3745739.77 0.08548 (16010524) 475777.75
3745697.27 0.12635 (16010524)
475785.29 3745721.66 0.12911 (16010524) 475794.25
3745802.05 0.11400 (16010524)
475778.85 3745842.00 0.10142 (16010524) 475800.05
3745888.80 0.08689 (16010524)
475789.98 3745940.18 0.07375 (16010524) 475892.19
3745936.40 0.07352 (10012024)
475893.32 3746111.50 0.04762 (10012024) 476130.12
3746085.01 0.10658c (10121724)
476129.71 3745935.03 0.13857c (10121724) 475595.68
3746575.78 0.02209c (14012124)
475911.01 3746495.74 0.03859 (11121924) 475863.30
3746556.38 0.03396 (11121924)
475594.25 3746890.12 0.02160 (14123024) 476146.43
3746600.47 0.05747c (10121724)
476082.93 3746873.86 0.04021c (10121724) 475609.08
3746999.92 0.02204 (14123024)
475745.21 3747048.16 0.02268 (11121924) 475382.02
3746160.96 0.03367b (14120224)
475411.04 3746003.05 0.03794c (14010324) 474409.00
3746437.28 0.01627 (10012724)
476290.36 3746244.91 0.05728c (10121724) 476339.29
3746119.15 0.04303c (16012224)
476311.38 3746179.40 0.05097c (10121724) 476277.82
3746288.18 0.05990c (10121724)
476333.63 3746432.95 0.04153c (10121724) 476384.17
3745949.30 0.04756 (10100524)
476360.32 3745999.45 0.04574 (10100524) 476412.89
3745836.48 0.05596c (11030724)
476404.80 3745918.57 0.04820c (10020924) 476434.06
3745820.87 0.05831c (11030724)
476454.86 3745720.49 0.07030c (11030724) 475797.42
3744976.75 0.18341c (14012424)
476060.39 3744909.25 0.66483 (16122224) 475777.26
3744882.37 0.13579c (14012424)
475781.93 3744832.11 0.12537m (15123124) 475779.60
3744791.20 0.11522m (15123124)
475786.02 3744729.84 0.09506m (15123124) 475774.63
3744924.73 0.15430c (14012424)
475782.23 3744693.90 0.08511c (15012824) 475768.20
3744638.68 0.07189c (15012824)
475787.19 3744589.00 0.06668c (15012824) 475706.26
3744502.22 0.04615c (15012824)
475780.18 3744427.13 0.04245c (15012824) 475764.11
3744390.61 0.03845c (15012824)
477060.85 3744371.76 0.01798 (11011924) 476803.53
3745166.88 0.03349 (14040124)
477112.67 3745114.97 0.01763 (14040124) 477464.43
3745086.80 0.01135m (10120824)
477531.57 3745005.51 0.01121m (10120824) 475715.48
3746455.63 0.02818 (14123024)
475791.98 3746459.29 0.03157 (14123024) 475771.33
3746506.69 0.03035 (14123024)
475775.18 3746458.34 0.03115 (14123024) 475750.42
3746454.29 0.03020 (14123024)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B14 ***
INCLUDING SOURCE(S): B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 , B14DUST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.04538	(14120124)	476314.71	3744669.61	0.04809	(16122224)
476332.85	3744655.27	0.04641c	(14110324)	476365.97	3744513.73	0.03663c	(14110324)
476245.90	3744942.48	0.09914	(14120124)	476289.52	3745000.38	0.11858	(14120124)
476288.55	3745361.57	0.25747	(14040124)	475880.74	3745148.55	0.17869m	(10120724)
475796.73	3745058.23	0.10344c	(15012824)	475750.05	3745108.89	0.12948c	(15012824)
475798.54	3745194.08	0.20518c	(15012824)	475752.37	3745335.13	0.38067m	(15123124)
475776.90	3745405.80	0.59364c	(14012424)	475731.82	3745293.23	0.27620m	(15123124)
475784.75	3745574.23	0.99727	(10121524)	475709.78	3745574.77	0.54094	(10121524)
475708.88	3745598.80	0.53975	(10121524)	475709.42	3745621.76	0.52456	(10121524)
475709.42	3745647.05	0.48055	(10121524)	475709.06	3745668.21	0.42284	(10121524)
475709.96	3745693.68	0.34011	(10121524)	475709.42	3745717.00	0.26516	(10121524)
475709.06	3745739.77	0.20149	(10121524)	475777.75	3745697.27	0.43755	(16010524)
475785.29	3745721.66	0.42372	(16010524)	475794.25	3745802.05	0.30755	(16010524)
475778.85	3745842.00	0.25372	(16010524)	475800.05	3745888.80	0.22417	(16010524)
475789.98	3745940.18	0.18441	(16010524)	475892.19	3745936.40	0.17591c	(10121724)
475893.32	3746111.50	0.11372c	(10121724)	476130.12	3746085.01	0.11071c	(10121724)
476129.71	3745935.03	0.15156c	(10121724)	475595.68	3746575.78	0.03169	(10012024)
475911.01	3746495.74	0.06481c	(10121724)	475863.30	3746556.38	0.04918c	(10121724)
475594.25	3746890.12	0.02621	(14123024)	476146.43	3746600.47	0.05958c	(10121724)
476082.93	3746873.86	0.05414c	(10121724)	475609.08	3746999.92	0.02577	(14123024)
475745.21	3747048.16	0.02963	(11121924)	475382.02	3746160.96	0.04351c	(14010324)
475411.04	3746003.05	0.04591c	(14010324)	474409.00	3746437.28	0.01699b	(14021824)
476290.36	3746244.91	0.04383c	(10020924)	476339.29	3746119.15	0.05453c	(11030724)
476311.38	3746179.40	0.04647c	(10020924)	476277.82	3746288.18	0.04087c	(10020924)
476333.63	3746432.95	0.02988c	(10020924)	476384.17			

3745949.30 0.06626c (10033124)
476360.32 3745999.45 0.06784c (11030724) 476412.89
3745836.48 0.06328c (10033124)
476404.80 3745918.57 0.06581c (10033124) 476434.06
3745820.87 0.05780 (14013124)
476454.86 3745720.49 0.06861c (10012924) 475797.42
3744976.75 0.07172c (15012824)
476060.39 3744909.25 0.13161 (16122224) 475777.26
3744882.37 0.05171 (14112424)
475781.93 3744832.11 0.04741b (10120624) 475779.60
3744791.20 0.04384b (10120624)
475786.02 3744729.84 0.04080b (10120624) 475774.63
3744924.73 0.05968c (15012824)
475782.23 3744693.90 0.03817b (10120624) 475768.20
3744638.68 0.03363b (10120624)
475787.19 3744589.00 0.03351b (10120624) 475706.26
3744502.22 0.02764c (16031824)
475780.18 3744427.13 0.02722b (10120624) 475764.11
3744390.61 0.02581c (16031824)
477060.85 3744371.76 0.01700 (16122024) 476803.53
3745166.88 0.03017 (14040124)
477112.67 3745114.97 0.01883 (14040124) 477464.43
3745086.80 0.01212 (14040124)
477531.57 3745005.51 0.01130 (10021524) 475715.48
3746455.63 0.04152 (10012024)
475791.98 3746459.29 0.04611 (11121924) 475771.33
3746506.69 0.04202 (11121924)
475775.18 3746458.34 0.04403 (11121924) 475750.42
3746454.29 0.04063 (11121924)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B17 ***
INCLUDING SOURCE(S): B17_1 , B17_2 , B17DUST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.03450	(16122224)	476314.71	3744669.61	0.03925	(16122224)
476332.85	3744655.27	0.03841	(16122224)	476365.97	3744513.73	0.03463	(16122224)
476245.90	3744942.48	0.04929	(16122224)	476289.52	3745000.38	0.04942	(16122224)
476288.55	3745361.57	0.05903	(16122224)	475880.74	3745148.55	0.02812b	(10120624)
475796.73	3745058.23	0.02431b	(10120624)	475750.05	3745108.89	0.02493c	(16031824)
475798.54	3745194.08	0.02794b	(10120624)	475752.37	3745335.13	0.03022c	(16031824)
475776.90	3745405.80	0.03364b	(10120624)	475731.82	3745293.23	0.02870c	(16031824)
475784.75	3745574.23	0.04451b	(10120624)	475709.78			

3745574.77 0.04429c (15012824)
475708.88 3745598.80 0.04772c (15012824) 475709.42
3745621.76 0.05133c (15012824)
475709.42 3745647.05 0.05575c (15012824) 475709.06
3745668.21 0.05978c (15012824)
475709.96 3745693.68 0.06502c (15012824) 475709.42
3745717.00 0.07038c (15012824)
475709.06 3745739.77 0.07610c (15012824) 475777.75
3745697.27 0.06381c (15012824)
475785.29 3745721.66 0.06973c (15012824) 475794.25
3745802.05 0.09711c (15012824)
475778.85 3745842.00 0.11589c (15012824) 475800.05
3745888.80 0.14482c (15012824)
475789.98 3745940.18 0.18509c (15012824) 475892.19
3745936.40 0.20494m (10120724)
475893.32 3746111.50 0.88555 (16122224) 476130.12
3746085.01 0.59503 (16122224)
476129.71 3745935.03 0.25370 (16122224) 475595.68
3746575.78 0.11359 (10121524)
475911.01 3746495.74 0.48007 (16010524) 475863.30
3746556.38 0.34530 (16010524)
475594.25 3746890.12 0.08550 (16010524) 476146.43
3746600.47 0.20159c (10121724)
476082.93 3746873.86 0.13223c (10121724) 475609.08
3746999.92 0.07522 (16010524)
475745.21 3747048.16 0.05765 (10012024) 475382.02
3746160.96 0.06591c (14120324)
475411.04 3746003.05 0.09382 (16110924) 474409.00
3746437.28 0.02222c (15120924)
476290.36 3746244.91 0.28821 (14040124) 476339.29
3746119.15 0.19775 (14040124)
476311.38 3746179.40 0.29872 (14040124) 476277.82
3746288.18 0.24102c (16030724)
476333.63 3746432.95 0.13596 (14013124) 476384.17
3745949.30 0.11503m (10052024)
476360.32 3745999.45 0.14254m (10052024) 476412.89
3745836.48 0.07704b (10102124)
476404.80 3745918.57 0.09906m (10052024) 476434.06
3745820.87 0.06902c (16011924)
476454.86 3745720.49 0.06136b (10102124) 475797.42
3744976.75 0.02255b (10120624)
476060.39 3744909.25 0.03124 (16122224) 475777.26
3744882.37 0.02102c (16031824)
475781.93 3744832.11 0.02029c (16031824) 475779.60
3744791.20 0.01976c (16031824)
475786.02 3744729.84 0.01895c (16031824) 475774.63
3744924.73 0.02168c (16031824)
475782.23 3744693.90 0.01855c (16031824) 475768.20
3744638.68 0.01803c (16031824)
475787.19 3744589.00 0.01739c (16031824) 475706.26
3744502.22 0.01696c (16031824)
475780.18 3744427.13 0.01595c (16031824) 475764.11
3744390.61 0.01576c (16031824)
477060.85 3744371.76 0.01263c (14110324) 476803.53
3745166.88 0.02059 (14120124)
477112.67 3745114.97 0.01677 (16122024) 477464.43
3745086.80 0.01230 (16122024)
477531.57 3745005.51 0.01219 (16122024) 475715.48
3746455.63 0.31559 (10121524)
475791.98 3746459.29 0.45144 (16010524) 475771.33
3746506.69 0.32984 (16010524)
475775.18 3746458.34 0.38842 (16010524) 475750.42
3746454.29 0.30534 (10121524)

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23
*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B18 ***
INCLUDING SOURCE(S): B18_1 , B18_2 , B18_3 , B18_4 , B18_5 ,
B18_6 , B18_7 , B18_8 , B18_9 , B18_10 ,
B18_11 , B18_12 , B18_13 ,
B18_14 , B18_15 , B18_16 , B18_17 , B18_18 ,
B18_19 , B18_20 , B18_21 ,
B18_22 , B18_23 , B18_24 , B18_25 , B18DUST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.01677c	(14110324)	476314.71	3744669.61	0.01707c	(14110324)
476332.85	3744655.27	0.01702c	(14110324)	476365.97	3744513.73	0.01488c	(14110324)
476245.90	3744942.48	0.02306c	(14110324)	476289.52	3745000.38	0.02577	(14120124)
476288.55	3745361.57	0.03520	(14120124)	475880.74	3745148.55	0.06291	(16122224)
475796.73	3745058.23	0.04294	(16122224)	475750.05	3745108.89	0.03629	(16122224)
475798.54	3745194.08	0.05430	(16122224)	475752.37	3745335.13	0.05667	(16122224)
475776.90	3745405.80	0.07585	(16122224)	475731.82	3745293.23	0.04511	(16122224)
475784.75	3745574.23	0.11911	(16122224)	475709.78	3745574.77	0.07796	(16122224)
475708.88	3745598.80	0.08328	(16122224)	475709.42	3745621.76	0.08999	(16122224)
475709.42	3745647.05	0.09773	(16122224)	475709.06	3745668.21	0.10458	(16122224)
475709.96	3745693.68	0.11486	(16122224)	475709.42	3745717.00	0.12426	(16122224)
475709.06	3745739.77	0.13472	(16122224)	475777.75	3745697.27	0.16339	(16122224)
475785.29	3745721.66	0.17737	(16122224)	475794.25	3745802.05	0.22226	(16122224)
475778.85	3745842.00	0.25253	(16122224)	475800.05	3745888.80	0.28068	(16122224)
475789.98	3745940.18	0.34169	(16122224)	475892.19	3745936.40	0.25259	(14120124)
475893.32	3746111.50	0.35294	(14120424)	476130.12	3746085.01	0.08718	(15121424)
476129.71	3745935.03	0.08193m	(10052024)	475595.68	3746575.78	1.04824	(16010524)
475911.01	3746495.74	0.27288	(15122224)	475863.30	3746556.38	0.29587	(11112424)
475594.25	3746890.12	0.12934	(11121924)	476146.43	3746600.47	0.06383	(14013124)
476082.93	3746873.86	0.06164c	(11030724)	475609.08	3746999.92	0.10425c	(10121724)
475745.21	3747048.16	0.14119c	(10121724)	475382.02	3746160.96	0.18947c	(14012424)

```
       475411.04   3746003.05        0.15248m (15123124)               474409.00
       3746437.28        0.02633c (15120924)
       476290.36   3746244.91        0.06359  (14040124)               476339.29
       3746119.15        0.05825  (14040124)
       476311.38   3746179.40        0.06538  (14040124)               476277.82
       3746288.18        0.05716  (14040124)
       476333.63   3746432.95        0.03413c (10012924)               476384.17
       3745949.30        0.03862  (15121424)
       476360.32   3745999.45        0.03980  (15121424)               476412.89
       3745836.48        0.03286  (15111624)
       476404.80   3745918.57        0.03664  (15121424)               476434.06
       3745820.87        0.03094  (15111624)
       476454.86   3745720.49        0.02549  (15111624)               475797.42
       3744976.75        0.03810  (16122224)
       476060.39   3744909.25        0.04309  (16122224)               475777.26
       3744882.37        0.03042  (16122224)
       475781.93   3744832.11        0.02926  (16122224)               475779.60
       3744791.20        0.02755  (16122224)
       475786.02   3744729.84        0.02652  (16122224)               475774.63
       3744924.73        0.03172  (16122224)
       475782.23   3744693.90        0.02505  (16122224)               475768.20
       3744638.68        0.02151  (16122224)
       475787.19   3744589.00        0.02302  (16122224)               475706.26
       3744502.22        0.01505c (15021824)
       475780.18   3744427.13        0.01878  (16122224)               475764.11
       3744390.61        0.01662  (16122224)
       477060.85   3744371.76        0.00957  (10111824)               476803.53
       3745166.88        0.01685  (16122024)
       477112.67   3745114.97        0.01352  (16122024)               477464.43
       3745086.80        0.00920c (10050324)
       477531.57   3745005.51        0.00887c (10050324)               475715.48
       3746455.63        1.68858  (11121924)
       475791.98   3746459.29        1.21438c (10020924)               475771.33
       3746506.69        0.77722c (10121724)
       475775.18   3746458.34        1.40131c (10121724)               475750.42
       3746454.29        1.66851c (10121724)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        16:14:20

                     PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR
                              SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     B13_1       , B13_2       ,
                                  B14_1       , B14_2       , B14_3       ,
                    B14_4       , B14_5       , B14_6       , B17_1       , B17_2       ,
                    B18_1       , B18_2       , B18_3       ,
                    B18_4       , B18_5       , B18_6       , B18_7       , B18_8       ,
                    B18_9       , B18_10      , B18_11      ,
                    B18_12      , B18_13      , B18_14      , B18_15      , B18_16      ,
                    B18_17      , B18_18      ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                      ** CONC OF PM_2.5   IN
                                      MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
       476395.71   3744607.81        0.18027  (14120124)               476314.71
       3744669.61        0.21679  (14120124)
```

476332.85 3744655.27 0.20913 (14120124) 476365.97
3744513.73 0.14340 (16122224)
476245.90 3744942.48 0.62616 (14120124) 476289.52
3745000.38 0.40993 (14120124)
476288.55 3745361.57 0.36903 (15122224) 475880.74
3745148.55 0.43506 (10121524)
475796.73 3745058.23 0.19813c (10122124) 475750.05
3745108.89 0.18133c (15012824)
475798.54 3745194.08 0.31519 (10121524) 475752.37
3745335.13 0.40693m (15123124)
475776.90 3745405.80 0.64541 (10121524) 475731.82
3745293.23 0.30631m (15123124)
475784.75 3745574.23 1.04619 (10121524) 475709.78
3745574.77 0.61331 (10121524)
475708.88 3745598.80 0.59474 (10121524) 475709.42
3745621.76 0.56610 (10121524)
475709.42 3745647.05 0.51115 (10121524) 475709.06
3745668.21 0.44692 (10121524)
475709.96 3745693.68 0.35865 (10121524) 475709.42
3745717.00 0.28080 (10121524)
475709.06 3745739.77 0.26963 (16010524) 475777.75
3745697.27 0.56404 (16010524)
475785.29 3745721.66 0.55299 (16010524) 475794.25
3745802.05 0.42179 (16010524)
475778.85 3745842.00 0.35544 (16010524) 475800.05
3745888.80 0.33047 (16122224)
475789.98 3745940.18 0.39982 (16122224) 475892.19
3745936.40 0.31428 (16122224)
475893.32 3746111.50 0.95877b (10120624) 476130.12
3746085.01 0.60161b (10120624)
476129.71 3745935.03 0.29204c (10121724) 475595.68
3746575.78 1.13674 (16010524)
475911.01 3746495.74 0.55063c (10121724) 475863.30
3746556.38 0.43082c (10121724)
475594.25 3746890.12 0.20436 (11121924) 476146.43
3746600.47 0.32255c (10121724)
476082.93 3746873.86 0.24097c (10121724) 475609.08
3746999.92 0.16949 (11121924)
475745.21 3747048.16 0.19605c (10121724) 475382.02
3746160.96 0.22993 (16110924)
475411.04 3746003.05 0.21970c (10122124) 474409.00
3746437.28 0.06096c (15120924)
476290.36 3746244.91 0.35186 (14040124) 476339.29
3746119.15 0.25608 (14040124)
476311.38 3746179.40 0.36416 (14040124) 476277.82
3746288.18 0.27731 (14040124)
476333.63 3746432.95 0.16777c (10012924) 476384.17
3745949.30 0.15784m (10052024)
476360.32 3745999.45 0.18363m (10052024) 476412.89
3745836.48 0.12672c (15122824)
476404.80 3745918.57 0.14139m (10052024) 476434.06
3745820.87 0.12158c (15122824)
476454.86 3745720.49 0.12307c (15122824) 475797.42
3744976.75 0.19576c (14012424)
476060.39 3744909.25 0.87076 (16122224) 475777.26
3744882.37 0.16196c (11010324)
475781.93 3744832.11 0.15606c (15012824) 475779.60
3744791.20 0.14831c (15012824)
475786.02 3744729.84 0.13668c (15012824) 475774.63
3744924.73 0.16993c (11010324)
475782.23 3744693.90 0.12629c (15012824) 475768.20
3744638.68 0.10956c (15012824)
475787.19 3744589.00 0.10286c (15120124) 475706.26
3744502.22 0.08503c (15120124)
475780.18 3744427.13 0.08427c (16031824) 475764.11
3744390.61 0.08191c (16031824)

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
B13	HIGH 1ST HIGH VALUE IS	0.66483	ON 16122224: AT (476060.39, 3744909.25, 466.65, 466.65, 2.00)	DC	
B14	HIGH 1ST HIGH VALUE IS	0.99727	ON 10121524: AT (475784.75, 3745574.23, 467.84, 467.84, 2.00)	DC	
B17	HIGH 1ST HIGH VALUE IS	0.88555	ON 16122224: AT (475893.32, 3746111.50, 465.00, 465.00, 2.00)	DC	
B18	HIGH 1ST HIGH VALUE IS	1.68858	ON 11121924: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC	
ALL	HIGH 1ST HIGH VALUE IS	1.85607	ON 11121924: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC	

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

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)

A Total of   2028 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   978 Calm Hours Identified

A Total of   1050 Missing Hours Identified (2.40 Percent)

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

   ********   WARNING MESSAGES   ********
ME W186   760   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   760   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

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

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Cons PM10\13697 Cons PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Cons PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
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   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
   LOCATION B13DUST      AREAPOLY   476007.118  3745359.932      465.420
   LOCATION B14DUST      AREAPOLY   475821.186  3745614.341      466.620
   LOCATION B17DUST      AREAPOLY   475828.442  3746166.240      466.250
   LOCATION B18DUST      AREAPOLY   475605.324  3746536.290      469.000
** Source Parameters **
   SRCPARAM B13_1        0.0007874868     5.000    44.819     1.400
   SRCPARAM B13_2        0.0007874868     5.000    44.819     1.400
   SRCPARAM B14_1        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_2        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_3        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_4        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_5        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_6        0.0002624955     5.000    27.337     1.400
   SRCPARAM B17_1        0.0007874868     5.000    44.726     1.400
   SRCPARAM B17_2        0.0007874868     5.000    44.726     1.400
   SRCPARAM B18_1        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_2        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_3        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_4        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_5        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_6        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_7        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_8        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_9        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_10       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_11       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_12       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_13       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_14       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_15       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_16       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_17       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_18       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_19       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_20       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_21       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_22       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_23       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_24       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_25       0.0000629989     5.000    12.365     1.400
   SRCPARAM B13DUST      1.2178E-06     0.000         4     1.000
   AREAVERT B13DUST      476007.118 3745359.932 476195.771 3745359.932
   AREAVERT B13DUST      476198.038 3744975.825 476005.304 3744976.278
   SRCPARAM B14DUST      1.1371E-06     0.000        22     1.000
   AREAVERT B14DUST      475821.186 3745614.341 475967.211 3745614.341
   AREAVERT B14DUST      475987.618 3745616.155 476008.478 3745622.050
   AREAVERT B14DUST      476029.793 3745631.120 476053.374 3745643.364
   AREAVERT B14DUST      476101.444 3745578.062 476130.468 3745539.061
   AREAVERT B14DUST      476151.328 3745508.677 476171.735 3745475.119
   AREAVERT B14DUST      476180.352 3745454.258 476188.515 3745427.956
   AREAVERT B14DUST      476194.864 3745391.677 476195.317 3745383.514
   AREAVERT B14DUST      476170.375 3745382.153 475910.524 3745383.060
   AREAVERT B14DUST      475899.640 3745380.793 475880.594 3745375.351
   AREAVERT B14DUST      475860.640 3745370.362 475849.303 3745370.362
   AREAVERT B14DUST      475822.547 3745365.374 475819.372 3745371.723
   SRCPARAM B17DUST      1.3622E-06     0.000         7     1.000
   AREAVERT B17DUST      475828.442 3746166.240 475830.710 3746353.079
   AREAVERT B17DUST      476130.468 3746354.893 476196.224 3746166.694
   AREAVERT B17DUST      476163.573 3746166.240 476165.387 3746158.984
   AREAVERT B17DUST      475828.896 3746157.170
   SRCPARAM B18DUST      1.497E-06     0.000        13     1.000
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   AREAVERT B18DUST      475605.324 3746536.290 475659.743 3746536.290
   AREAVERT B18DUST      475659.290 3746456.021 475654.301 3746449.219
   AREAVERT B18DUST      475657.476 3746438.789 475663.371 3746431.986
   AREAVERT B18DUST      475669.267 3746430.626 475678.337 3746431.533
   AREAVERT B18DUST      475693.302 3746436.975 475798.058 3746436.068
   AREAVERT B18DUST      475802.140 3746431.533 475804.407 3746158.077
   AREAVERT B18DUST      475608.952 3746158.984
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_7        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_13       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_14       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_15       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_16       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_17       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_18       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_19       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_20       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_21       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_22       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_23       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_24       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_25       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP B13      B13_1 B13_2 B13DUST
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6 B14DUST
   SRCGROUP B17      B17_1 B17_2 B17DUST
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP B18      B18DUST
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Cons PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
   PLOTFILE 24 ALL 1ST "13697 CONS PM10.AD\24H_ALL.PLT" 31
   PLOTFILE 24 B13 1ST "13697 CONS PM10.AD\24H_B13.PLT" 32
   PLOTFILE 24 B14 1ST "13697 CONS PM10.AD\24H_B14.PLT" 33
   PLOTFILE 24 B17 1ST "13697 CONS PM10.AD\24H_B17.PLT" 34
   PLOTFILE 24 B18 1ST "13697 CONS PM10.AD\24H_B18.PLT" 35
   SUMMFILE "13697 Cons PM10.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

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** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Cons PM10\13697 Cons PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Cons PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
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   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
   LOCATION B13DUST      AREAPOLY   476007.118  3745359.932      465.420
   LOCATION B14DUST      AREAPOLY   475821.186  3745614.341      466.620
   LOCATION B17DUST      AREAPOLY   475828.442  3746166.240      466.250
   LOCATION B18DUST      AREAPOLY   475605.324  3746536.290      469.000
** Source Parameters **
   SRCPARAM B13_1        0.0007874868     5.000    44.819     1.400
   SRCPARAM B13_2        0.0007874868     5.000    44.819     1.400
   SRCPARAM B14_1        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_2        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_3        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_4        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_5        0.0002624955     5.000    27.337     1.400
   SRCPARAM B14_6        0.0002624955     5.000    27.337     1.400
   SRCPARAM B17_1        0.0007874868     5.000    44.726     1.400
   SRCPARAM B17_2        0.0007874868     5.000    44.726     1.400
   SRCPARAM B18_1        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_2        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_3        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_4        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_5        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_6        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_7        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_8        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_9        0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_10       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_11       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_12       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_13       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_14       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_15       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_16       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_17       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_18       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_19       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_20       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_21       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_22       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_23       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_24       0.0000629989     5.000    12.365     1.400
   SRCPARAM B18_25       0.0000629989     5.000    12.365     1.400
   SRCPARAM B13DUST      1.2178E-06     0.000         4     1.000
   AREAVERT B13DUST      476007.118 3745359.932 476195.771 3745359.932
   AREAVERT B13DUST      476198.038 3744975.825 476005.304 3744976.278
   SRCPARAM B14DUST      1.1371E-06     0.000        22     1.000
   AREAVERT B14DUST      475821.186 3745614.341 475967.211 3745614.341
   AREAVERT B14DUST      475987.618 3745616.155 476008.478 3745622.050
   AREAVERT B14DUST      476029.793 3745631.120 476053.374 3745643.364
   AREAVERT B14DUST      476101.444 3745578.062 476130.468 3745539.061
   AREAVERT B14DUST      476151.328 3745508.677 476171.735 3745475.119
   AREAVERT B14DUST      476180.352 3745454.258 476188.515 3745427.956
   AREAVERT B14DUST      476194.864 3745391.677 476195.317 3745383.514
   AREAVERT B14DUST      476170.375 3745382.153 475910.524 3745383.060
   AREAVERT B14DUST      475899.640 3745380.793 475880.594 3745375.351
   AREAVERT B14DUST      475860.640 3745370.362 475849.303 3745370.362
   AREAVERT B14DUST      475822.547 3745365.374 475819.372 3745371.723
   SRCPARAM B17DUST      1.3622E-06     0.000         7     1.000
   AREAVERT B17DUST      475828.442 3746166.240 475830.710 3746353.079
   AREAVERT B17DUST      476130.468 3746354.893 476196.224 3746166.694
   AREAVERT B17DUST      476163.573 3746166.240 476165.387 3746158.984
   AREAVERT B17DUST      475828.896 3746157.170
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   SRCPARAM B18DUST      1.497E-06     0.000        13     1.000
   AREAVERT B18DUST      475605.324 3746536.290 475659.743 3746536.290
   AREAVERT B18DUST      475659.290 3746456.021 475654.301 3746449.219
   AREAVERT B18DUST      475657.476 3746438.789 475663.371 3746431.986
   AREAVERT B18DUST      475669.267 3746430.626 475678.337 3746431.533
   AREAVERT B18DUST      475693.302 3746436.975 475798.058 3746436.068
   AREAVERT B18DUST      475802.140 3746431.533 475804.407 3746158.077
   AREAVERT B18DUST      475608.952 3746158.984
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_1        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_1        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_2        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_2        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_3        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_3        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_4        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_4        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_5        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_5        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_6        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_6        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_7        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_7        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_8        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_8        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_9        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_9        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_10       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_10       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_11       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_11       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT B18_12       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_12       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_13       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_13       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_14       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_14       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_15       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_15       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_16       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_16       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_17       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_17       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_18       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_18       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_19       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_19       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_20       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_20       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_21       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_21       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_22       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_22       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_23       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_23       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_24       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_24       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18_25       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18_25       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B13DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B13DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B14DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B14DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B17DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B17DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT B18DUST      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT B18DUST      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP B13      B13_1 B13_2 B13DUST
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6 B14DUST
   SRCGROUP B17      B17_1 B17_2 B17DUST
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP B18      B18DUST
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Cons PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
   PLOTFILE 24 ALL 1ST "13697 CONS PM10.AD\24H_ALL.PLT" 31
   PLOTFILE 24 B13 1ST "13697 CONS PM10.AD\24H_B13.PLT" 32
   PLOTFILE 24 B14 1ST "13697 CONS PM10.AD\24H_B14.PLT" 33
   PLOTFILE 24 B17 1ST "13697 CONS PM10.AD\24H_B17.PLT" 34
   PLOTFILE 24 B18 1ST "13697 CONS PM10.AD\24H_B18.PLT" 35
   SUMMFILE "13697 Cons PM10.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     760       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     760       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       15:36:41

                     PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - -

 ** 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    39 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
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Accepts FLAGPOLE Receptor . Heights.
      * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:  24-HR

 **This Run Includes:     39 Source(s);       5 Source Group(s); and      78 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     35 VOLUME source(s)
                 and:      4 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)
```

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

**Input Runstream File:
aermod.inp
**Output Print File:
aermod.out

**Detailed Error/Message File: 13697 Cons
PM10.err
**File for Summary of Results: 13697 Cons
PM10.sum

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	
B13_1	0	0.78749E-03	476101.1	3745262.2	464.0	5.00	44.82	1.40	YES HRDOW
B13_2	0	0.78749E-03	476102.0	3745072.0	465.9	5.00	44.82	1.40	YES HRDOW
B14_1	0	0.26250E-03	475881.8	3745554.6	466.0	5.00	27.34	1.40	YES HRDOW
B14_2	0	0.26250E-03	475881.2	3745437.3	468.2	5.00	27.34	1.40	YES HRDOW
B14_3	0	0.26250E-03	475999.6	3745554.0	464.7	5.00	27.34	1.40	YES HRDOW
B14_4	0	0.26250E-03	476000.0	3745437.7	465.7	5.00	27.34	1.40	YES HRDOW
B14_5	0	0.26250E-03	476071.8	3745548.2	464.0	5.00	27.34	1.40	YES HRDOW
B14_6	0	0.26250E-03	476118.4	3745439.0	463.0	5.00	27.34	1.40	YES HRDOW
B17_1	0	0.78749E-03	475926.0	3746256.1	465.0	5.00	44.73	1.40	YES HRDOW
B17_2	0	0.78749E-03	476070.8	3746258.4	463.0	5.00	44.73	1.40	YES HRDOW
B18_1	0	0.62999E-04	475632.5	3746502.6	469.1	5.00	12.37	1.40	YES HRDOW
B18_2	0	0.62999E-04	475633.4	3746447.8	469.9	5.00	12.37	1.40	YES HRDOW

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 B18_3            0   0.62999E-04  475638.8 3746403.3   469.7     5.00    12.37     1.40
 YES   HRDOW
 B18_4            0   0.62999E-04  475681.1 3746405.0   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_5            0   0.62999E-04  475727.7 3746410.8   467.7     5.00    12.37     1.40
 YES   HRDOW
 B18_6            0   0.62999E-04  475775.0 3746409.1   466.4     5.00    12.37     1.40
 YES   HRDOW
 B18_7            0   0.62999E-04  475640.0 3746350.6   469.9     5.00    12.37     1.40
 YES   HRDOW
 B18_8            0   0.62999E-04  475690.3 3746353.5   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_9            0   0.62999E-04  475774.6 3746355.1   467.2     5.00    12.37     1.40
 YES   HRDOW
 B18_10           0   0.62999E-04  475731.0 3746357.2   468.0     5.00    12.37     1.40
 YES   HRDOW
 B18_11           0   0.62999E-04  475639.2 3746296.6   469.7     5.00    12.37     1.40
 YES   HRDOW
 B18_12           0   0.62999E-04  475689.9 3746300.7   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_13           0   0.62999E-04  475740.5 3746303.6   468.0     5.00    12.37     1.40
 YES   HRDOW
 B18_14           0   0.62999E-04  475774.6 3746301.6   467.2     5.00    12.37     1.40
 YES   HRDOW
 B18_15           0   0.62999E-04  475637.5 3746242.6   469.8     5.00    12.37     1.40
 YES   HRDOW
 B18_16           0   0.62999E-04  475683.6 3746246.3   469.1     5.00    12.37     1.40
 YES   HRDOW
 B18_17           0   0.62999E-04  475729.3 3746245.5   468.0     5.00    12.37     1.40
 YES   HRDOW
 B18_18           0   0.62999E-04  475774.2 3746248.0   467.2     5.00    12.37     1.40
 YES   HRDOW
 B18_19           0   0.62999E-04  475635.9 3746187.3   469.3     5.00    12.37     1.40
 YES   HRDOW
 B18_20           0   0.62999E-04  475689.0 3746191.9   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_21           0   0.62999E-04  475740.1 3746192.3   467.7     5.00    12.37     1.40
 YES   HRDOW
 B18_22           0   0.62999E-04  475775.0 3746192.7   467.1     5.00    12.37     1.40
 YES   HRDOW
 B18_23           0   0.62999E-04  475689.5 3746183.6   469.0     5.00    12.37     1.40
 YES   HRDOW
 B18_24           0   0.62999E-04  475743.5 3746185.2   467.4     5.00    12.37     1.40
 YES   HRDOW
 B18_25           0   0.62999E-04  475771.3 3746185.7   467.1     5.00    12.37     1.40
 YES   HRDOW
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       15:36:41

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                *** AREAPOLY SOURCE DATA ***

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

```
 B13DUST          0   0.12178E-05  476007.1 3745359.9   465.4     0.00       4         1.00
 YES   HRDOW
 B14DUST          0   0.11371E-05  475821.2 3745614.3   466.6     0.00      22         1.00
 YES   HRDOW
 B17DUST          0   0.13622E-05  475828.4 3746166.2   466.2     0.00       7         1.00
 YES   HRDOW
 B18DUST          0   0.14970E-05  475605.3 3746536.3   469.0     0.00      13         1.00
 YES   HRDOW
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       15:36:41

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  B13        B13_1       , B13_2       , B13DUST     ,

  B14        B14_1       , B14_2       , B14_3       , B14_4       , B14_5       , B14_6       ,
  B14DUST     ,

  B17        B17_1       , B17_2       , B17DUST     ,

  B18        B18_1       , B18_2       , B18_3       , B18_4       , B18_5       , B18_6       ,
  B18_7       , B18_8       ,

             B18_9       , B18_10      , B18_11      , B18_12      , B18_13      , B18_14      ,
             B18_15      , B18_16      ,

             B18_17      , B18_18      , B18_19      , B18_20      , B18_21      , B18_22      ,
             B18_23      , B18_24      ,

             B18_25      , B18DUST     ,

  ALL        B13_1       , B13_2       , B14_1       , B14_2       , B14_3       , B14_4       ,
  B14_5       , B14_6       ,

             B17_1       , B17_2       , B18_1       , B18_2       , B18_3       , B18_4       ,
             B18_5       , B18_6       ,

             B18_7       , B18_8       , B18_9       , B18_10      , B18_11      , B18_12      ,
             B18_13      , B18_14      ,

             B18_15      , B18_16      , B18_17      , B18_18      , B18_19      , B18_20      ,
             B18_21      , B18_22      ,

             B18_23      , B18_24      , B18_25      , B13DUST     , B14DUST     , B17DUST     ,
             B18DUST     ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       15:36:41

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


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

```
  URBAN ID   URBAN POP                                             SOURCE IDs
  --------   ---------                                             ----------


             2189641.   B13_1       , B13_2       , B14_1       , B14_2       , B14_3       ,
             B14_4       , B14_5       ,
 B14_6       ,

            B17_1       , B17_2       , B18_1       , B18_2       , B18_3       , B18_4       ,
            B18_5       , B18_6       ,

            B18_7       , B18_8       , B18_9       , B18_10      , B18_11      , B18_12      ,
            B18_13      , B18_14      ,

            B18_15      , B18_16      , B18_17      , B18_18      , B18_19      , B18_20      ,
            B18_21      , B18_22      ,

            B18_23      , B18_24      , B18_25      , B13DUST     , B14DUST     , B17DUST     ,
            B18DUST     ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        15:36:41

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B13_1        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        15:36:41

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *
```

SOURCE ID = B13_2 ; 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23
*** AERMET - VERSION 16216 ***
*** *** 15:36:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B14_1 ; 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23

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 *** AERMET - VERSION  16216 ***
 ***                                                                            ***        15:36:41

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

 SOURCE ID = B14_2        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                            ***        15:36:41

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                  (HRDOW) *

 SOURCE ID = B14_3        ; 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 = B14_4 ; 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 = B14_5 ; 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 = B14_6 ; 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 = B17_1 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        15:36:41

                        PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                     (HRDOW) *

 SOURCE ID = B17_2        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        15:36:41

                        PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
SOURCE ID = B18_1        ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

```
SOURCE ID = B18_2        ; 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
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_3 ; 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 = B18_4 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        15:36:41

                     PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_5        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        15:36:41

                     PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_6        ; 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  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                    (HRDOW) *

 SOURCE ID = B18_7        ; 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  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                    (HRDOW) *

 SOURCE ID = B18_8        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       15:36:41

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_9        ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       15:36:41
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_10 ; 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23
*** AERMET - VERSION 16216 ***
*** *** 15:36:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_11 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       15:36:41

                      PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_12       ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       15:36:41

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *

 SOURCE ID = B18_13       ; 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 = B18_14 ; 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 = B18_15 ; 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 = B18_16 ; 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 = B18_17 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = B18_18 ; 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 = B18_19 ; 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 = B18_20 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_21 ; 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B18_22 ; 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

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 = B18_23 ; 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 = B18_24 ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        15:36:41

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                    (HRDOW) *

 SOURCE ID = B18_25       ; 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 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        15:36:41

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = B13DUST ; SOURCE TYPE = AREAPOLY :

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 = B14DUST ; SOURCE TYPE = AREAPOLY :

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 = B17DUST ; SOURCE TYPE = AREAPOLY :

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 = B18DUST ; SOURCE TYPE = AREAPOLY :

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

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

(476395.7, 3744607.8, 462.5, 462.5, 2.0); (476314.7, 3744669.6, 463.2, 463.2, 2.0);
(476332.8, 3744655.3, 463.0, 463.0, 2.0); (476366.0, 3744513.7, 463.2, 463.2, 2.0);
(476245.9, 3744942.5, 463.5, 463.5, 2.0); (476289.5, 3745000.4, 463.0, 463.0, 2.0);
(476288.5, 3745361.6, 461.2, 461.2, 2.0); (475880.7, 3745148.5, 468.0, 468.0, 2.0);
(475796.7, 3745058.2, 469.6, 469.6, 2.0); (475750.0, 3745108.9, 470.0, 470.0, 2.0);
(475798.5, 3745194.1, 469.1, 469.1, 2.0); (475752.4, 3745335.1, 469.9, 469.9, 2.0);
(475776.9, 3745405.8, 470.0, 470.0, 2.0); (475731.8, 3745293.2, 470.6, 470.6, 2.0);
(475784.8, 3745574.2, 467.8, 467.8, 2.0); (475709.8, 3745574.8, 469.3, 469.3, 2.0);
(475708.9, 3745598.8, 469.4, 469.4, 2.0); (475709.4, 3745621.8, 469.2, 469.2, 2.0);
(475709.4, 3745647.0, 469.0, 469.0, 2.0); (475709.1, 3745668.2, 469.0, 469.0, 2.0);
(475710.0, 3745693.7, 469.3, 469.3, 2.0); (475709.4, 3745717.0, 469.4, 469.4, 2.0);
(475709.1, 3745739.8, 469.4, 469.4, 2.0); (475777.8, 3745697.3, 468.0, 468.0, 2.0);
(475785.3, 3745721.7, 467.8, 467.8, 2.0); (475794.2, 3745802.0, 467.5, 467.5, 2.0);
(475778.8, 3745842.0, 468.0, 468.0, 2.0); (475800.0, 3745888.8, 467.3, 467.3, 2.0);
(475790.0, 3745940.2, 467.0, 467.0, 2.0); (475892.2, 3745936.4, 465.2, 465.2, 2.0);
(475893.3, 3746111.5, 465.0, 465.0, 2.0); (476130.1, 3746085.0, 462.0, 462.0, 2.0);
(476129.7, 3745935.0, 462.0, 462.0, 2.0); (475595.7, 3746575.8, 469.1, 469.1, 2.0);
(475911.0, 3746495.7, 464.0, 464.0, 2.0); (475863.3, 3746556.4, 464.5, 464.5, 2.0);
(475594.2, 3746890.1, 468.4, 468.4, 2.0); (476146.4, 3746600.5, 460.7, 460.7, 2.0);
(476082.9, 3746873.9, 459.9, 459.9, 2.0); (475609.1, 3746999.9, 467.0, 467.0, 2.0);
(475745.2, 3747048.2, 464.2, 464.2, 2.0); (475382.0, 3746161.0, 476.1, 476.1, 2.0);
(475411.0, 3746003.0, 475.3, 475.3, 2.0); (474409.0, 3746437.3, 518.9, 524.0, 2.0);

```
    ( 476290.4, 3746244.9,     460.0,     460.0,       2.0);         ( 476339.3, 3746119.1,
    460.0,     460.0,       2.0);
    ( 476311.4, 3746179.4,     460.0,     460.0,       2.0);         ( 476277.8, 3746288.2,
    460.0,     460.0,       2.0);
    ( 476333.6, 3746432.9,     459.0,     459.0,       2.0);         ( 476384.2, 3745949.3,
    460.0,     460.0,       2.0);
    ( 476360.3, 3745999.4,     460.0,     460.0,       2.0);         ( 476412.9, 3745836.5,
    460.0,     460.0,       2.0);
    ( 476404.8, 3745918.6,     460.0,     460.0,       2.0);         ( 476434.1, 3745820.9,
    460.0,     460.0,       2.0);
    ( 476454.9, 3745720.5,     459.0,     459.0,       2.0);         ( 475797.4, 3744976.8,
    471.0,     471.0,       2.0);
    ( 476060.4, 3744909.2,     466.7,     466.7,       2.0);         ( 475777.3, 3744882.4,
    472.0,     472.0,       2.0);
    ( 475781.9, 3744832.1,     471.9,     471.9,       2.0);         ( 475779.6, 3744791.2,
    472.0,     472.0,       2.0);
    ( 475786.0, 3744729.8,     472.0,     472.0,       2.0);         ( 475774.6, 3744924.7,
    471.8,     471.8,       2.0);
    ( 475782.2, 3744693.9,     472.0,     472.0,       2.0);         ( 475768.2, 3744638.7,
    473.0,     473.0,       2.0);
    ( 475787.2, 3744589.0,     472.1,     472.1,       2.0);         ( 475706.3, 3744502.2,
    473.1,     473.1,       2.0);
    ( 475780.2, 3744427.1,     473.0,     473.0,       2.0);         ( 475764.1, 3744390.6,
    473.5,     473.5,       2.0);
    ( 477060.8, 3744371.8,     455.0,     455.0,       2.0);         ( 476803.5, 3745166.9,
    456.0,     456.0,       2.0);
    ( 477112.7, 3745115.0,     453.6,     453.6,       2.0);         ( 477464.4, 3745086.8,
    450.0,     450.0,       2.0);
    ( 477531.6, 3745005.5,     450.0,     450.0,       2.0);         ( 475715.5, 3746455.6,
    468.1,     468.1,       2.0);
    ( 475792.0, 3746459.3,     466.3,     466.3,       2.0);         ( 475771.3, 3746506.7,
    466.3,     466.3,       2.0);
    ( 475775.2, 3746458.3,     466.7,     466.7,       2.0);         ( 475750.4, 3746454.3,
    467.0,     467.0,       2.0);
```


*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
          1   1 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.

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80	53.	9.1	293.8	5.5

```
10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
11.    9.1  292.5    5.5
10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
351.    9.1  290.4    5.5
10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
186.    9.1  287.5    5.5
10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
275.    9.1  285.9    5.5
10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
181.    9.1  285.4    5.5
10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
318.    9.1  284.9    5.5
10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
196.    9.1  283.1    5.5
10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
330.    9.1  281.4    5.5
10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
332.    9.1  280.9    5.5


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
*** AERMET - VERSION  16216 ***
***                                                                   ***        15:36:41

                    PAGE  48
*** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR
                              SOURCE GROUP:  B13      ***
                                  INCLUDING SOURCE(S):     B13_1       , B13_2       ,
                                  B13DUST     ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
       476395.71   3744607.81        0.23958  (14120124)                476314.71
       3744669.61         0.31927  (14120124)
       476332.85   3744655.27        0.30193  (14120124)                476365.97
       3744513.73         0.18464  (14120124)
       476245.90   3744942.48        1.04145  (14120124)                476289.52
       3745000.38         0.61558  (14120424)
       476288.55   3745361.57        0.69236  (15122224)                475880.74
       3745148.55         0.88642  (10121524)
       475796.73   3745058.23        0.39802c (10122124)                475750.05
       3745108.89         0.30700  (10121524)
       475798.54   3745194.08        0.61774  (10121524)                475752.37
       3745335.13         0.55418  (10121524)
       475776.90   3745405.80        0.52154  (10121524)                475731.82
       3745293.23         0.52902  (10121524)
       475784.75   3745574.23        0.23787  (16010524)                475709.78
       3745574.77         0.14618  (11051724)
       475708.88   3745598.80        0.13976  (11051724)                475709.42
       3745621.76         0.13383  (11051724)
```

475709.42 3745647.05 0.14211 (16010524) 475709.06
3745668.21 0.15172 (16010524)
475709.96 3745693.68 0.16361 (16010524) 475709.42
3745717.00 0.17126 (16010524)
475709.06 3745739.77 0.17729 (16010524) 475777.75
3745697.27 0.26225 (16010524)
475785.29 3745721.66 0.26807 (16010524) 475794.25
3745802.05 0.23677 (16010524)
475778.85 3745842.00 0.21065 (16010524) 475800.05
3745888.80 0.18039 (16010524)
475789.98 3745940.18 0.15307 (16010524) 475892.19
3745936.40 0.15269 (10012024)
475893.32 3746111.50 0.09890 (10012024) 476130.12
3746085.01 0.22348c (10121724)
476129.71 3745935.03 0.29050c (10121724) 475595.68
3746575.78 0.04627c (14012124)
475911.01 3746495.74 0.08064 (11121924) 475863.30
3746556.38 0.07095 (11121924)
475594.25 3746890.12 0.04527 (14123024) 476146.43
3746600.47 0.12052c (10121724)
476082.93 3746873.86 0.08429c (10121724) 475609.08
3746999.92 0.04619 (14123024)
475745.21 3747048.16 0.04740 (11121924) 475382.02
3746160.96 0.07045b (14120224)
475411.04 3746003.05 0.07955c (14010324) 474409.00
3746437.28 0.03417 (10012724)
476290.36 3746244.91 0.12001c (10121724) 476339.29
3746119.15 0.09016c (16012224)
476311.38 3746179.40 0.10671c (10121724) 476277.82
3746288.18 0.12554c (10121724)
476333.63 3746432.95 0.08699c (10121724) 476384.17
3745949.30 0.09884 (10100524)
476360.32 3745999.45 0.09505 (10100524) 476412.89
3745836.48 0.11614c (11030724)
476404.80 3745918.57 0.10017c (10020924) 476434.06
3745820.87 0.12103c (11030724)
476454.86 3745720.49 0.14592c (11030724) 475797.42
3744976.75 0.38067c (14012424)
476060.39 3744909.25 1.38703 (16122224) 475777.26
3744882.37 0.28199c (14012424)
475781.93 3744832.11 0.26045m (15123124) 475779.60
3744791.20 0.23946m (15123124)
475786.02 3744729.84 0.19763m (15123124) 475774.63
3744924.73 0.32030c (14012424)
475782.23 3744693.90 0.17701c (15012824) 475768.20
3744638.68 0.14949c (15012824)
475787.19 3744589.00 0.13862c (15012824) 475706.26
3744502.22 0.09591c (15012824)
475780.18 3744427.13 0.08824c (15012824) 475764.11
3744390.61 0.07993c (15012824)
477060.85 3744371.76 0.03761 (11011924) 476803.53
3745166.88 0.06959 (14040124)
477112.67 3745114.97 0.03665 (14040124) 477464.43
3745086.80 0.02373m (10120824)
477531.57 3745005.51 0.02344m (10120824) 475715.48
3746455.63 0.05900 (14123024)
475791.98 3746459.29 0.06612 (14123024) 475771.33
3746506.69 0.06358 (14123024)
475775.18 3746458.34 0.06523 (14123024) 475750.42
3746454.29 0.06324 (14123024)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B14 ***
INCLUDING SOURCE(S): B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 , B14DUST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.09427	(14120124)	476314.71	3744669.61	0.10058	(16122224)
476332.85	3744655.27	0.09666c	(14110324)	476365.97	3744513.73	0.07631c	(14110324)
476245.90	3744942.48	0.20581	(14120124)	476289.52	3745000.38	0.24630	(14120124)
476288.55	3745361.57	0.53600	(14040124)	475880.74	3745148.55	0.37074m	(10120724)
475796.73	3745058.23	0.21492c	(15012824)	475750.05	3745108.89	0.26925c	(15012824)
475798.54	3745194.08	0.42669c	(15012824)	475752.37	3745335.13	0.79235m	(15123124)
475776.90	3745405.80	1.23253c	(14012424)	475731.82	3745293.23	0.57454m	(15123124)
475784.75	3745574.23	2.08180	(10121524)	475709.78	3745574.77	1.13092	(10121524)
475708.88	3745598.80	1.12867	(10121524)	475709.42	3745621.76	1.09695	(10121524)
475709.42	3745647.05	1.00477	(10121524)	475709.06	3745668.21	0.88379	(10121524)
475709.96	3745693.68	0.71028	(10121524)	475709.42	3745717.00	0.55312	(10121524)
475709.06	3745739.77	0.41964	(10121524)	475777.75	3745697.27	0.90875	(16010524)
475785.29	3745721.66	0.87976	(16010524)	475794.25	3745802.05	0.63797	(16010524)
475778.85	3745842.00	0.52628	(16010524)	475800.05	3745888.80	0.46491	(16010524)
475789.98	3745940.18	0.38248	(16010524)	475892.19	3745936.40	0.36772c	(10121724)
475893.32	3746111.50	0.23791c	(10121724)	476130.12	3746085.01	0.23149c	(10121724)
476129.71	3745935.03	0.31647c	(10121724)	475595.68	3746575.78	0.06575	(10012024)
475911.01	3746495.74	0.13574c	(10121724)	475863.30	3746556.38	0.10293c	(10121724)
475594.25	3746890.12	0.05490	(14123024)	476146.43	3746600.47	0.12486c	(10121724)
476082.93	3746873.86	0.11352c	(10121724)	475609.08	3746999.92	0.05400	(14123024)
475745.21	3747048.16	0.06192	(11121924)	475382.02	3746160.96	0.09123c	(14010324)
475411.04	3746003.05	0.09621c	(14010324)	474409.00	3746437.28	0.03562b	(14021824)
476290.36	3746244.91	0.09101c	(10020924)	476339.29	3746119.15	0.11310c	(11030724)
476311.38	3746179.40	0.09649c	(10020924)	476277.82	3746288.18	0.08485c	(10020924)
476333.63	3746432.95	0.06202c	(10020924)	476384.17			

3745949.30 0.13740c (10033124)
476360.32 3745999.45 0.14068c (11030724) 476412.89
3745836.48 0.13104c (10033124)
476404.80 3745918.57 0.13644c (10033124) 476434.06
3745820.87 0.12018 (14013124)
476454.86 3745720.49 0.14277c (10012924) 475797.42
3744976.75 0.14896c (15012824)
476060.39 3744909.25 0.27501 (16122224) 475777.26
3744882.37 0.10729 (14112424)
475781.93 3744832.11 0.09842b (10120624) 475779.60
3744791.20 0.09100b (10120624)
475786.02 3744729.84 0.08471b (10120624) 475774.63
3744924.73 0.12395c (15012824)
475782.23 3744693.90 0.07924b (10120624) 475768.20
3744638.68 0.06981b (10120624)
475787.19 3744589.00 0.06958b (10120624) 475706.26
3744502.22 0.05792c (16031824)
475780.18 3744427.13 0.05655b (10120624) 475764.11
3744390.61 0.05408c (16031824)
477060.85 3744371.76 0.03569 (16122024) 476803.53
3745166.88 0.06273 (14040124)
477112.67 3745114.97 0.03920 (14040124) 477464.43
3745086.80 0.02524 (14040124)
477531.57 3745005.51 0.02367 (10021524) 475715.48
3746455.63 0.08616 (10012024)
475791.98 3746459.29 0.09616 (11121924) 475771.33
3746506.69 0.08763 (11121924)
475775.18 3746458.34 0.09181 (11121924) 475750.42
3746454.29 0.08467 (11121924)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B17 ***
INCLUDING SOURCE(S): B17_1 , B17_2 , B17DUST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.07226	(16122224)	476314.71	3744669.61	0.08219	(16122224)
476332.85	3744655.27	0.08043	(16122224)	476365.97	3744513.73	0.07252	(16122224)
476245.90	3744942.48	0.10321	(16122224)	476289.52	3745000.38	0.10351	(16122224)
476288.55	3745361.57	0.12358	(16122224)	475880.74	3745148.55	0.05843b	(10120624)
475796.73	3745058.23	0.05051b	(10120624)	475750.05	3745108.89	0.05224c	(16031824)
475798.54	3745194.08	0.05804b	(10120624)	475752.37	3745335.13	0.06333c	(16031824)
475776.90	3745405.80	0.06982b	(10120624)	475731.82	3745293.23	0.06015c	(16031824)
475784.75	3745574.23	0.09236b	(10120624)	475709.78			

```
      3745574.77        0.09201c (15012824)
      475708.88   3745598.80        0.09913c (15012824)               475709.42
      3745621.76        0.10665c (15012824)
      475709.42   3745647.05        0.11584c (15012824)               475709.06
      3745668.21        0.12423c (15012824)
      475709.96   3745693.68        0.13513c (15012824)               475709.42
      3745717.00        0.14629c (15012824)
      475709.06   3745739.77        0.15820c (15012824)               475777.75
      3745697.27        0.13256c (15012824)
      475785.29   3745721.66        0.14486c (15012824)               475794.25
      3745802.05        0.20178c (15012824)
      475778.85   3745842.00        0.24088c (15012824)               475800.05
      3745888.80        0.30104c (15012824)
      475789.98   3745940.18        0.38494c (15012824)               475892.19
      3745936.40        0.42524m (10120724)
      475893.32   3746111.50        1.84909  (16122224)               476130.12
      3746085.01        1.24314  (16122224)
      476129.71   3745935.03        0.52984  (16122224)               475595.68
      3746575.78        0.23677  (10121524)
      475911.01   3746495.74        0.99501  (16010524)               475863.30
      3746556.38        0.71589  (16010524)
      475594.25   3746890.12        0.17747  (16010524)               476146.43
      3746600.47        0.42076c (10121724)
      476082.93   3746873.86        0.27681c (10121724)               475609.08
      3746999.92        0.15619  (16010524)
      475745.21   3747048.16        0.11960  (10012024)               475382.02
      3746160.96        0.13657c (14120324)
      475411.04   3746003.05        0.19533  (16110924)               474409.00
      3746437.28        0.04656c (15120924)
      476290.36   3746244.91        0.59961  (14040124)               476339.29
      3746119.15        0.41190  (14040124)
      476311.38   3746179.40        0.62259  (14040124)               476277.82
      3746288.18        0.49989c (16030724)
      476333.63   3746432.95        0.28275  (14013124)               476384.17
      3745949.30        0.23895m (10052024)
      476360.32   3745999.45        0.29614m (10052024)               476412.89
      3745836.48        0.15974b (10102124)
      476404.80   3745918.57        0.20575m (10052024)               476434.06
      3745820.87        0.14296c (16011924)
      476454.86   3745720.49        0.12727b (10102124)               475797.42
      3744976.75        0.04698c (16031824)
      476060.39   3744909.25        0.06521  (16122224)               475777.26
      3744882.37        0.04406c (16031824)
      475781.93   3744832.11        0.04252c (16031824)               475779.60
      3744791.20        0.04141c (16031824)
      475786.02   3744729.84        0.03971c (16031824)               475774.63
      3744924.73        0.04543c (16031824)
      475782.23   3744693.90        0.03889c (16031824)               475768.20
      3744638.68        0.03778c (16031824)
      475787.19   3744589.00        0.03645c (16031824)               475706.26
      3744502.22        0.03554c (16031824)
      475780.18   3744427.13        0.03343c (16031824)               475764.11
      3744390.61        0.03303c (16031824)
      477060.85   3744371.76        0.02639c (14110324)               476803.53
      3745166.88        0.04275  (14120124)
      477112.67   3745114.97        0.03522  (16122024)               477464.43
      3745086.80        0.02583  (16122024)
      477531.57   3745005.51        0.02560  (16122024)               475715.48
      3746455.63        0.65901  (10121524)
      475791.98   3746459.29        0.93802  (16010524)               475771.33
      3746506.69        0.68487  (16010524)
      475775.18   3746458.34        0.80717  (16010524)               475750.42
      3746454.29        0.63659  (10121524)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B18 ***
INCLUDING SOURCE(S): B18_1 , B18_2 , B18_3 , B18_4 , B18_5 ,
B18_6 , B18_7 , B18_8 , B18_9 , B18_10 ,
B18_11 , B18_12 , B18_13 ,
B18_14 , B18_15 , B18_16 , B18_17 , B18_18 ,
B18_19 , B18_20 , B18_21 ,
B18_22 , B18_23 , B18_24 , B18_25 , B18DUST ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.03500c	(14110324)	476314.71	3744669.61	0.03562c	(14110324)
476332.85	3744655.27	0.03552c	(14110324)	476365.97	3744513.73	0.03105c	(14110324)
476245.90	3744942.48	0.04809c	(14110324)	476289.52	3745000.38	0.05355	(14120124)
476288.55	3745361.57	0.07308	(14120124)	475880.74	3745148.55	0.13173	(16122224)
475796.73	3745058.23	0.08977	(16122224)	475750.05	3745108.89	0.07576	(16122224)
475798.54	3745194.08	0.11355	(16122224)	475752.37	3745335.13	0.11840	(16122224)
475776.90	3745405.80	0.15861	(16122224)	475731.82	3745293.23	0.09414	(16122224)
475784.75	3745574.23	0.24918	(16122224)	475709.78	3745574.77	0.16266	(16122224)
475708.88	3745598.80	0.17377	(16122224)	475709.42	3745621.76	0.18777	(16122224)
475709.42	3745647.05	0.20394	(16122224)	475709.06	3745668.21	0.21825	(16122224)
475709.96	3745693.68	0.23971	(16122224)	475709.42	3745717.00	0.25932	(16122224)
475709.06	3745739.77	0.28114	(16122224)	475777.75	3745697.27	0.34174	(16122224)
475785.29	3745721.66	0.37101	(16122224)	475794.25	3745802.05	0.46481	(16122224)
475778.85	3745842.00	0.52791	(16122224)	475800.05	3745888.80	0.58665	(16122224)
475789.98	3745940.18	0.71378	(16122224)	475892.19	3745936.40	0.52431	(14120124)
475893.32	3746111.50	0.73223	(14120424)	476130.12	3746085.01	0.18110	(15121424)
476129.71	3745935.03	0.16995m	(10052024)	475595.68	3746575.78	2.18148	(16010524)
475911.01	3746495.74	0.56716	(15122224)	475863.30	3746556.38	0.61426	(11112424)
475594.25	3746890.12	0.26965	(11121924)	476146.43	3746600.47	0.13280	(14013124)
476082.93	3746873.86	0.12792c	(11030724)	475609.08	3746999.92	0.21816c	(10121724)
475745.21	3747048.16	0.29597c	(10121724)	475382.02	3746160.96	0.39337c	(14012424)

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      475411.04   3746003.05        0.31683m (15123124)               474409.00
      3746437.28        0.05516c (15120924)
      476290.36   3746244.91        0.13233  (14040124)               476339.29
      3746119.15        0.12123  (14040124)
      476311.38   3746179.40        0.13609  (14040124)               476277.82
      3746288.18        0.11889  (14040124)
      476333.63   3746432.95        0.07091c (10012924)               476384.17
      3745949.30        0.08029  (15121424)
      476360.32   3745999.45        0.08271  (15121424)               476412.89
      3745836.48        0.06835  (15111624)
      476404.80   3745918.57        0.07617  (15121424)               476434.06
      3745820.87        0.06436  (15111624)
      476454.86   3745720.49        0.05299  (15111624)               475797.42
      3744976.75        0.07961  (16122224)
      476060.39   3744909.25        0.09026  (16122224)               475777.26
      3744882.37        0.06348  (16122224)
      475781.93   3744832.11        0.06107  (16122224)               475779.60
      3744791.20        0.05749  (16122224)
      475786.02   3744729.84        0.05535  (16122224)               475774.63
      3744924.73        0.06620  (16122224)
      475782.23   3744693.90        0.05227  (16122224)               475768.20
      3744638.68        0.04480  (16122224)
      475787.19   3744589.00        0.04800  (16122224)               475706.26
      3744502.22        0.03154c (15021824)
      475780.18   3744427.13        0.03911  (16122224)               475764.11
      3744390.61        0.03458  (16122224)
      477060.85   3744371.76        0.01998  (10111824)               476803.53
      3745166.88        0.03539  (16122024)
      477112.67   3745114.97        0.02838  (16122024)               477464.43
      3745086.80        0.01925c (10050324)
      477531.57   3745005.51        0.01856c (10050324)               475715.48
      3746455.63        3.51491  (11121924)
      475791.98   3746459.29        2.52922c (10020924)               475771.33
      3746506.69        1.62221c (10121724)
      475775.18   3746458.34        2.92453c (10121724)               475750.42
      3746454.29        3.48158c (10121724)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        15:36:41

                     PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR
                              SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     B13_1       , B13_2       ,
                                  B14_1       , B14_2       , B14_3       ,
                    B14_4       , B14_5       , B14_6       , B17_1       , B17_2       ,
                    B18_1       , B18_2       , B18_3       ,
                    B18_4       , B18_5       , B18_6       , B18_7       , B18_8       ,
                    B18_9       , B18_10      , B18_11      ,
                    B18_12      , B18_13      , B18_14      , B18_15      , B18_16      ,
                    B18_17      , B18_18      ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
      476395.71   3744607.81        0.37445  (14120124)               476314.71
      3744669.61        0.45015  (14120124)
```

476332.85 3744655.27 0.43430 (14120124) 476365.97
3744513.73 0.29985 (16122224)
476245.90 3744942.48 1.30067 (14120124) 476289.52
3745000.38 0.85031 (14120124)
476288.55 3745361.57 0.76665 (15122224) 475880.74
3745148.55 0.90532 (10121524)
475796.73 3745058.23 0.41184c (10122124) 475750.05
3745108.89 0.37670c (15012824)
475798.54 3745194.08 0.65596 (10121524) 475752.37
3745335.13 0.84669m (15123124)
475776.90 3745405.80 1.34405 (10121524) 475731.82
3745293.23 0.63697m (15123124)
475784.75 3745574.23 2.18153 (10121524) 475709.78
3745574.77 1.28026 (10121524)
475708.88 3745598.80 1.24151 (10121524) 475709.42
3745621.76 1.18154 (10121524)
475709.42 3745647.05 1.06639 (10121524) 475709.06
3745668.21 0.93172 (10121524)
475709.96 3745693.68 0.74655 (10121524) 475709.42
3745717.00 0.58329 (10121524)
475709.06 3745739.77 0.55896 (16010524) 475777.75
3745697.27 1.17115 (16010524)
475785.29 3745721.66 1.14800 (16010524) 475794.25
3745802.05 0.87499 (16010524)
475778.85 3745842.00 0.73721 (16010524) 475800.05
3745888.80 0.68852 (16122224)
475789.98 3745940.18 0.83307 (16122224) 475892.19
3745936.40 0.65373 (16122224)
475893.32 3746111.50 1.99422b (10120624) 476130.12
3746085.01 1.25308b (10120624)
476129.71 3745935.03 0.60888c (10121724) 475595.68
3746575.78 2.36442 (16010524)
475911.01 3746495.74 1.14688c (10121724) 475863.30
3746556.38 0.89691c (10121724)
475594.25 3746890.12 0.42563 (11121924) 476146.43
3746600.47 0.67349c (10121724)
476082.93 3746873.86 0.50410c (10121724) 475609.08
3746999.92 0.35323 (11121924)
475745.21 3747048.16 0.41015c (10121724) 475382.02
3746160.96 0.47754 (16110924)
475411.04 3746003.05 0.45779c (10122124) 474409.00
3746437.28 0.12750c (15120924)
476290.36 3746244.91 0.73200 (14040124) 476339.29
3746119.15 0.53320 (14040124)
476311.38 3746179.40 0.75874 (14040124) 476277.82
3746288.18 0.57593 (14040124)
476333.63 3746432.95 0.34878c (10012924) 476384.17
3745949.30 0.32778m (10052024)
476360.32 3745999.45 0.38134m (10052024) 476412.89
3745836.48 0.26294c (15122824)
476404.80 3745918.57 0.29361m (10052024) 476434.06
3745820.87 0.25229c (15122824)
476454.86 3745720.49 0.25552c (15122824) 475797.42
3744976.75 0.40606c (14012424)
476060.39 3744909.25 1.81751 (16122224) 475777.26
3744882.37 0.33495c (11010324)
475781.93 3744832.11 0.32446c (15012824) 475779.60
3744791.20 0.30839c (15012824)
475786.02 3744729.84 0.28422c (15012824) 475774.63
3744924.73 0.35149c (11010324)
475782.23 3744693.90 0.26261c (15012824) 475768.20
3744638.68 0.22782c (15012824)
475787.19 3744589.00 0.21434c (15120124) 475706.26
3744502.22 0.17723c (15120124)
475780.18 3744427.13 0.17653c (16031824) 475764.11
3744390.61 0.17161c (16031824)

```
       477060.85   3744371.76        0.09474  (16122024)                476803.53
       3745166.88        0.13246  (14040124)
       477112.67   3745114.97        0.09173  (10021524)                477464.43
       3745086.80        0.06783  (10021524)
       477531.57   3745005.51        0.06768  (10021524)                475715.48
       3746455.63        3.86267  (11121924)
       475791.98   3746459.29        2.72411c (10121724)                475771.33
       3746506.69        1.83813c (10121724)
       475775.18   3746458.34        3.18792c (10121724)                475750.42
       3746454.29        3.72260  (11121924)
```


*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

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

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

B13      HIGH   1ST HIGH VALUE IS       1.38703  ON 16122224: AT (  476060.39,  3744909.25,
466.65,   466.65,    2.00)  DC

B14      HIGH   1ST HIGH VALUE IS       2.08180  ON 10121524: AT (  475784.75,  3745574.23,
467.84,   467.84,    2.00)  DC

B17      HIGH   1ST HIGH VALUE IS       1.84909  ON 16122224: AT (  475893.32,  3746111.50,
465.00,   465.00,    2.00)  DC

B18      HIGH   1ST HIGH VALUE IS       3.51491  ON 11121924: AT (  475715.48,  3746455.63,
468.10,   468.10,    2.00)  DC

ALL      HIGH   1ST HIGH VALUE IS       3.86267  ON 11121924: AT (  475715.48,  3746455.63,
468.10,   468.10,    2.00)  DC
```

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


*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

```
 A Total of            0 Fatal Error Message(s)
 A Total of            4 Warning Message(s)
```

A Total of   2028 Informational Message(s)

A Total of   43824 Hours Were Processed

A Total of   978 Calm Hours Identified

A Total of   1050 Missing Hours Identified (2.40 Percent)

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

   ********   WARNING MESSAGES   ********
ME W186   760   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   760   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 14010101
MX W450   17521   CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/17/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops CO\13697 Ops CO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2189641 Riverside_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Ops CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
```

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   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.0461152243     5.000    44.819     1.400
   SRCPARAM B13_2        0.0461152243     5.000    44.819     1.400
   SRCPARAM B14_1        0.0176397033     5.000    27.337     1.400
   SRCPARAM B14_2        0.0176397033     5.000    27.337     1.400
   SRCPARAM B14_3        0.0176397033     5.000    27.337     1.400
   SRCPARAM B14_4        0.0176397033     5.000    27.337     1.400
   SRCPARAM B14_5        0.0176397033     5.000    27.337     1.400
   SRCPARAM B14_6        0.0176397033     5.000    27.337     1.400
   SRCPARAM B17_1        0.0383033557     5.000    44.726     1.400
   SRCPARAM B17_2        0.0383033557     5.000    44.726     1.400
   SRCPARAM B18_1        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_2        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_3        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_4        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_5        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_6        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_7        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_8        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_9        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_10       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_11       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_12       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_13       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_14       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_15       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_16       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_17       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_18       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_19       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_20       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_21       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_22       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_23       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_24       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_25       0.0038177358     5.000    12.365     1.400
   URBANSRC ALL
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Ops CO.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
```

```
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   PLOTFILE 1 ALL 1ST "13697 OPS CO.AD\1H_ALL.PLT" 31
   PLOTFILE 8 ALL 1ST "13697 OPS CO.AD\8H_ALL.PLT" 32
   PLOTFILE 8 B13 1ST "13697 OPS CO.AD\8H_B13.PLT" 33
   PLOTFILE 1 B13 1ST "13697 OPS CO.AD\1H_B13.PLT" 34
   PLOTFILE 1 B14 1ST "13697 OPS CO.AD\1H_B14.PLT" 35
   PLOTFILE 8 B14 1ST "13697 OPS CO.AD\8H_B14.PLT" 36
   PLOTFILE 8 B17 1ST "13697 OPS CO.AD\8H_B17.PLT" 37
   PLOTFILE 1 B17 1ST "13697 OPS CO.AD\1H_B17.PLT" 38
   PLOTFILE 1 B18 1ST "13697 OPS CO.AD\1H_B18.PLT" 39
   PLOTFILE 8 B18 1ST "13697 OPS CO.AD\8H_B18.PLT" 40
   SUMMFILE "13697 Ops CO.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/17/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops CO\13697 Ops CO.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2189641 Riverside_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Ops CO.err"
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
```

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   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.0461152243     5.000    44.819     1.400
   SRCPARAM B13_2        0.0461152243     5.000    44.819     1.400
   SRCPARAM B14_1        0.0176397033     5.000    27.337     1.400
   SRCPARAM B14_2        0.0176397033     5.000    27.337     1.400
   SRCPARAM B14_3        0.0176397033     5.000    27.337     1.400
   SRCPARAM B14_4        0.0176397033     5.000    27.337     1.400
   SRCPARAM B14_5        0.0176397033     5.000    27.337     1.400
   SRCPARAM B14_6        0.0176397033     5.000    27.337     1.400
   SRCPARAM B17_1        0.0383033557     5.000    44.726     1.400
   SRCPARAM B17_2        0.0383033557     5.000    44.726     1.400
   SRCPARAM B18_1        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_2        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_3        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_4        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_5        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_6        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_7        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_8        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_9        0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_10       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_11       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_12       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_13       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_14       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_15       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_16       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_17       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_18       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_19       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_20       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_21       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_22       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_23       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_24       0.0038177358     5.000    12.365     1.400
   SRCPARAM B18_25       0.0038177358     5.000    12.365     1.400
   URBANSRC ALL
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "13697 Ops CO.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
```

```
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
   PLOTFILE 1 ALL 1ST "13697 OPS CO.AD\1H_ALL.PLT" 31
   PLOTFILE 8 ALL 1ST "13697 OPS CO.AD\8H_ALL.PLT" 32
   PLOTFILE 8 B13 1ST "13697 OPS CO.AD\8H_B13.PLT" 33
   PLOTFILE 1 B13 1ST "13697 OPS CO.AD\1H_B13.PLT" 34
   PLOTFILE 1 B14 1ST "13697 OPS CO.AD\1H_B14.PLT" 35
   PLOTFILE 8 B14 1ST "13697 OPS CO.AD\8H_B14.PLT" 36
   PLOTFILE 8 B17 1ST "13697 OPS CO.AD\8H_B17.PLT" 37
   PLOTFILE 1 B17 1ST "13697 OPS CO.AD\1H_B17.PLT" 38
   PLOTFILE 1 B18 1ST "13697 OPS CO.AD\1H_B18.PLT" 39
   PLOTFILE 8 B18 1ST "13697 OPS CO.AD\8H_B18.PLT" 40
   SUMMFILE "13697 Ops CO.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     139       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     139       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/17/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:33:11

                      PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - -

 ** 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    35 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
     * CCVR_Sub - Meteorological data includes CCVR substitutions
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Accepts FLAGPOLE Receptor . Heights.
     * The User Specified a Pollutant Type of: CO

**Model Calculates  2 Short Term Average(s) of:   1-HR   8-HR

**This Run Includes:     35 Source(s);       5 Source Group(s); and      78 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     35 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   442.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                Emission Units = GRAMS/SEC                                     ;  Emission Rate
                Unit Factor =   0.10000E+07
                Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      3.6 MB of RAM.

**Input Runstream File:
aermod.inp
**Output Print File:
aermod.out

**Detailed Error/Message File:   13697 Ops
CO.err
**File for Summary of Results:   13697 Ops
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
B13_1	0	0.46115E-01	476101.1	3745262.2	464.0	5.00	44.82	1.40	YES
B13_2	0	0.46115E-01	476102.0	3745072.0	465.9	5.00	44.82	1.40	YES
B14_1	0	0.17640E-01	475881.8	3745554.6	466.0	5.00	27.34	1.40	YES
B14_2	0	0.17640E-01	475881.2	3745437.3	468.2	5.00	27.34	1.40	YES
B14_3	0	0.17640E-01	475999.6	3745554.0	464.7	5.00	27.34	1.40	YES
B14_4	0	0.17640E-01	476000.0	3745437.7	465.7	5.00	27.34	1.40	YES
B14_5	0	0.17640E-01	476071.8	3745548.2	464.0	5.00	27.34	1.40	YES
B14_6	0	0.17640E-01	476118.4	3745439.0	463.0	5.00	27.34	1.40	YES
B17_1	0	0.38303E-01	475926.0	3746256.1	465.0	5.00	44.73	1.40	YES
B17_2	0	0.38303E-01	476070.8	3746258.4	463.0	5.00	44.73	1.40	YES
B18_1	0	0.38177E-02	475632.5	3746502.6	469.1	5.00	12.37	1.40	YES
B18_2	0	0.38177E-02	475633.4	3746447.8	469.9	5.00	12.37	1.40	YES
B18_3	0	0.38177E-02	475638.8	3746403.3	469.7	5.00	12.37	1.40	YES
B18_4	0	0.38177E-02	475681.1	3746405.0	469.0	5.00	12.37	1.40	YES
B18_5	0	0.38177E-02	475727.7	3746410.8	467.7	5.00	12.37	1.40	YES
B18_6	0	0.38177E-02	475775.0	3746409.1	466.4	5.00	12.37	1.40	YES
B18_7	0	0.38177E-02	475640.0	3746350.6	469.9	5.00	12.37	1.40	YES
B18_8	0	0.38177E-02	475690.3	3746353.5	469.0	5.00	12.37	1.40	YES
B18_9	0	0.38177E-02	475774.6	3746355.1	467.2	5.00	12.37	1.40	YES
B18_10	0	0.38177E-02	475731.0	3746357.2	468.0	5.00	12.37	1.40	YES
B18_11	0	0.38177E-02	475639.2	3746296.6	469.7	5.00	12.37	1.40	YES
B18_12	0	0.38177E-02	475689.9	3746300.7	469.0	5.00	12.37	1.40	YES
B18_13	0	0.38177E-02	475740.5	3746303.6	468.0	5.00	12.37	1.40	

```
 YES
 B18_14          0   0.38177E-02  475774.6 3746301.6   467.2     5.00    12.37     1.40
 YES
 B18_15          0   0.38177E-02  475637.5 3746242.6   469.8     5.00    12.37     1.40
 YES
 B18_16          0   0.38177E-02  475683.6 3746246.3   469.1     5.00    12.37     1.40
 YES
 B18_17          0   0.38177E-02  475729.3 3746245.5   468.0     5.00    12.37     1.40
 YES
 B18_18          0   0.38177E-02  475774.2 3746248.0   467.2     5.00    12.37     1.40
 YES
 B18_19          0   0.38177E-02  475635.9 3746187.3   469.3     5.00    12.37     1.40
 YES
 B18_20          0   0.38177E-02  475689.0 3746191.9   469.0     5.00    12.37     1.40
 YES
 B18_21          0   0.38177E-02  475740.1 3746192.3   467.7     5.00    12.37     1.40
 YES
 B18_22          0   0.38177E-02  475775.0 3746192.7   467.1     5.00    12.37     1.40
 YES
 B18_23          0   0.38177E-02  475689.5 3746183.6   469.0     5.00    12.37     1.40
 YES
 B18_24          0   0.38177E-02  475743.5 3746185.2   467.4     5.00    12.37     1.40
 YES
 B18_25          0   0.38177E-02  475771.3 3746185.7   467.1     5.00    12.37     1.40
 YES
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/17/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:33:11

                     PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  B13        B13_1       , B13_2       ,

  B14        B14_1       , B14_2       , B14_3       , B14_4       , B14_5       , B14_6       ,

  B17        B17_1       , B17_2       ,

  B18        B18_1       , B18_2       , B18_3       , B18_4       , B18_5       , B18_6       ,
  B18_7       , B18_8       ,

             B18_9       , B18_10      , B18_11      , B18_12      , B18_13      , B18_14      ,
             B18_15      , B18_16      ,

             B18_17      , B18_18      , B18_19      , B18_20      , B18_21      , B18_22      ,
             B18_23      , B18_24      ,

             B18_25      ,

  ALL        B13_1       , B13_2       , B14_1       , B14_2       , B14_3       , B14_4       ,
  B14_5       , B14_6       ,

             B17_1       , B17_2       , B18_1       , B18_2       , B18_3       , B18_4       ,
             B18_5       , B18_6       ,

             B18_7       , B18_8       , B18_9       , B18_10      , B18_11      , B18_12      ,
             B18_13      , B18_14      ,
```

B18_15 , B18_16 , B18_17 , B18_18 , B18_19 , B18_20 ,
B18_21 , B18_22 ,

B18_23 , B18_24 , B18_25 ,

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	B13_1 , B13_2 , B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,
		B17_1 , B17_2 , B18_1 , B18_2 , B18_3 , B18_4 , B18_5 , B18_6 ,
		B18_7 , B18_8 , B18_9 , B18_10 , B18_11 , B18_12 , B18_13 , B18_14 ,
		B18_15 , B18_16 , B18_17 , B18_18 , B18_19 , B18_20 , B18_21 , B18_22 ,
		B18_23 , B18_24 , B18_25 ,

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

(476395.7, 3744607.8, 462.5, 462.5, 2.0); (476314.7, 3744669.6, 463.2, 463.2, 2.0);
(476332.8, 3744655.3, 463.0, 463.0, 2.0); (476366.0, 3744513.7, 463.2, 463.2, 2.0);
(476245.9, 3744942.5, 463.5, 463.5, 2.0); (476289.5, 3745000.4, 463.0, 463.0, 2.0);
(476288.5, 3745361.6, 461.2, 461.2, 2.0); (475880.7, 3745148.5, 468.0, 468.0, 2.0);
(475796.7, 3745058.2, 469.6, 469.6, 2.0); (475750.0, 3745108.9, 470.0, 470.0, 2.0);
(475798.5, 3745194.1, 469.1, 469.1, 2.0); (475752.4, 3745335.1, 469.9, 469.9, 2.0);
(475776.9, 3745405.8, 470.0, 470.0, 2.0); (475731.8, 3745293.2, 470.6, 470.6, 2.0);
(475784.8, 3745574.2, 467.8, 467.8, 2.0); (475709.8, 3745574.8, 469.3, 469.3, 2.0);
(475708.9, 3745598.8, 469.4, 469.4, 2.0); (475709.4, 3745621.8, 469.2, 469.2, 2.0);
(475709.4, 3745647.0, 469.0, 469.0, 2.0); (475709.1, 3745668.2, 469.0, 469.0, 2.0);
(475710.0, 3745693.7, 469.3, 469.3, 2.0); (475709.4, 3745717.0,

469.4, 469.4, 2.0);
(475709.1, 3745739.8, 469.4, 469.4, 2.0); (475777.8, 3745697.3,
468.0, 468.0, 2.0);
(475785.3, 3745721.7, 467.8, 467.8, 2.0); (475794.2, 3745802.0,
467.5, 467.5, 2.0);
(475778.8, 3745842.0, 468.0, 468.0, 2.0); (475800.0, 3745888.8,
467.3, 467.3, 2.0);
(475790.0, 3745940.2, 467.0, 467.0, 2.0); (475892.2, 3745936.4,
465.2, 465.2, 2.0);
(475893.3, 3746111.5, 465.0, 465.0, 2.0); (476130.1, 3746085.0,
462.0, 462.0, 2.0);
(476129.7, 3745935.0, 462.0, 462.0, 2.0); (475595.7, 3746575.8,
469.1, 469.1, 2.0);
(475911.0, 3746495.7, 464.0, 464.0, 2.0); (475863.3, 3746556.4,
464.5, 464.5, 2.0);
(475594.2, 3746890.1, 468.4, 468.4, 2.0); (476146.4, 3746600.5,
460.7, 460.7, 2.0);
(476082.9, 3746873.9, 459.9, 459.9, 2.0); (475609.1, 3746999.9,
467.0, 467.0, 2.0);
(475745.2, 3747048.2, 464.2, 464.2, 2.0); (475382.0, 3746161.0,
476.1, 476.1, 2.0);
(475411.0, 3746003.0, 475.3, 475.3, 2.0); (474409.0, 3746437.3,
518.9, 524.0, 2.0);
(476290.4, 3746244.9, 460.0, 460.0, 2.0); (476339.3, 3746119.1,
460.0, 460.0, 2.0);
(476311.4, 3746179.4, 460.0, 460.0, 2.0); (476277.8, 3746288.2,
460.0, 460.0, 2.0);
(476333.6, 3746432.9, 459.0, 459.0, 2.0); (476384.2, 3745949.3,
460.0, 460.0, 2.0);
(476360.3, 3745999.4, 460.0, 460.0, 2.0); (476412.9, 3745836.5,
460.0, 460.0, 2.0);
(476404.8, 3745918.6, 460.0, 460.0, 2.0); (476434.1, 3745820.9,
460.0, 460.0, 2.0);
(476454.9, 3745720.5, 459.0, 459.0, 2.0); (475797.4, 3744976.8,
471.0, 471.0, 2.0);
(476060.4, 3744909.2, 466.7, 466.7, 2.0); (475777.3, 3744882.4,
472.0, 472.0, 2.0);
(475781.9, 3744832.1, 471.9, 471.9, 2.0); (475779.6, 3744791.2,
472.0, 472.0, 2.0);
(475786.0, 3744729.8, 472.0, 472.0, 2.0); (475774.6, 3744924.7,
471.8, 471.8, 2.0);
(475782.2, 3744693.9, 472.0, 472.0, 2.0); (475768.2, 3744638.7,
473.0, 473.0, 2.0);
(475787.2, 3744589.0, 472.1, 472.1, 2.0); (475706.3, 3744502.2,
473.1, 473.1, 2.0);
(475780.2, 3744427.1, 473.0, 473.0, 2.0); (475764.1, 3744390.6,
473.5, 473.5, 2.0);
(477060.8, 3744371.8, 455.0, 455.0, 2.0); (476803.5, 3745166.9,
456.0, 456.0, 2.0);
(477112.7, 3745115.0, 453.6, 453.6, 2.0); (477464.4, 3745086.8,
450.0, 450.0, 2.0);
(477531.6, 3745005.5, 450.0, 450.0, 2.0); (475715.5, 3746455.6,
468.1, 468.1, 2.0);
(475792.0, 3746459.3, 466.3, 466.3, 2.0); (475771.3, 3746506.7,
466.3, 466.3, 2.0);
(475775.2, 3746458.3, 466.7, 466.7, 2.0); (475750.4, 3746454.3,
467.0, 467.0, 2.0);

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

```
                                                                  (1=YES; 0=NO)

              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1   1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1   1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1   1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1   1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1   1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1   1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
              1   1 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,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/17/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        17:33:11

                        PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

   Surface file:
   PERI_V9_ADJU\PERI_v9.SFC                                                                Met
   Version:  16216
   Profile file:
   PERI_V9_ADJU\PERI_v9.PFL
   Surface format:
   FREE

   Profile format:
   FREE

   Surface station no.:     3171                  Upper air station no.:     3190
                  Name: UNKNOWN                                    Name:
                  UNKNOWN
                  Year:   2010                                     Year:   2010

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS
 WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - -
 10 01 01   1 01   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 335.    9.1  282.5    5.5
 10 01 01   1 02   -3.9  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 142.    9.1  280.9    5.5
 10 01 01   1 03   -3.9  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 324.    9.1  280.4    5.5
 10 01 01   1 04   -1.3  0.064 -9.000 -9.000 -999.   39.     18.3  0.19   0.61   1.00    0.40
```

294. 9.1 278.8 5.5
10 01 01 1 05 -3.9 0.088 -9.000 -9.000 -999. 62. 15.0 0.19 0.61 1.00 0.90
205. 9.1 278.1 5.5
10 01 01 1 06 -1.3 0.065 -9.000 -9.000 -999. 39. 18.3 0.19 0.61 1.00 0.40
3. 9.1 277.0 5.5
10 01 01 1 07 -8.0 0.125 -9.000 -9.000 -999. 106. 21.0 0.19 0.61 1.00 1.30
99. 9.1 277.0 5.5
10 01 01 1 08 -3.3 0.086 -9.000 -9.000 -999. 61. 16.8 0.19 0.61 0.54 0.90
319. 9.1 278.8 5.5
10 01 01 1 09 20.1 0.128 0.307 0.010 49. 110. -9.0 0.19 0.61 0.33 0.90
239. 9.1 284.2 5.5
10 01 01 1 10 56.7 0.087 0.560 0.010 107. 62. -1.0 0.19 0.61 0.26 0.40
188. 9.1 289.2 5.5
10 01 01 1 11 81.5 0.323 0.867 0.008 277. 441. -35.9 0.19 0.61 0.23 2.70
310. 9.1 290.9 5.5
10 01 01 1 12 97.1 0.281 1.058 0.008 421. 357. -19.7 0.19 0.61 0.22 2.20
357. 9.1 293.1 5.5
10 01 01 1 13 92.2 0.279 1.117 0.008 523. 354. -20.4 0.19 0.61 0.22 2.20
356. 9.1 293.8 5.5
10 01 01 1 14 77.6 0.275 1.102 0.008 595. 347. -23.2 0.19 0.61 0.23 2.20
50. 9.1 294.2 5.5
10 01 01 1 15 54.9 0.230 1.006 0.008 640. 266. -19.2 0.19 0.61 0.27 1.80
53. 9.1 293.8 5.5
10 01 01 1 16 12.3 0.206 0.613 0.008 648. 225. -61.5 0.19 0.61 0.36 1.80
11. 9.1 292.5 5.5
10 01 01 1 17 -3.6 0.087 -9.000 -9.000 -999. 71. 15.6 0.19 0.61 0.64 0.90
351. 9.1 290.4 5.5
10 01 01 1 18 -3.8 0.087 -9.000 -9.000 -999. 62. 15.2 0.19 0.61 1.00 0.90
186. 9.1 287.5 5.5
10 01 01 1 19 -3.8 0.087 -9.000 -9.000 -999. 62. 15.2 0.19 0.61 1.00 0.90
275. 9.1 285.9 5.5
10 01 01 1 20 -1.2 0.064 -9.000 -9.000 -999. 39. 18.1 0.19 0.61 1.00 0.40
181. 9.1 285.4 5.5
10 01 01 1 21 -7.8 0.125 -9.000 -9.000 -999. 106. 21.3 0.19 0.61 1.00 1.30
318. 9.1 284.9 5.5
10 01 01 1 22 -3.8 0.088 -9.000 -9.000 -999. 62. 15.1 0.19 0.61 1.00 0.90
196. 9.1 283.1 5.5
10 01 01 1 23 -3.8 0.088 -9.000 -9.000 -999. 62. 15.1 0.19 0.61 1.00 0.90
330. 9.1 281.4 5.5
10 01 01 1 24 -7.9 0.125 -9.000 -9.000 -999. 106. 21.2 0.19 0.61 1.00 1.30
332. 9.1 280.9 5.5

First hour of profile data
YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
10 01 01 01 5.5 0 -999. -99.00 282.6 99.0 -99.00 -99.00
10 01 01 01 9.1 1 335. 1.30 -999.0 99.0 -99.00 -99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B13 ***
INCLUDING SOURCE(S): B13_1 , B13_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	1.45832	(10041918)	476314.71	3744669.61	2.02504	(14021817)
476332.85	3744655.27	1.89045	(14021817)	476365.97	3744513.73	1.20226	(14021817)
476245.90	3744942.48	7.63951	(16050618)	476289.52	3745000.38	7.64827	(11091107)
476288.55	3745361.57	7.32743	(14041207)	475880.74	3745148.55	5.88564	(16010616)
475796.73	3745058.23	4.02208	(15101319)	475750.05	3745108.89	3.73025	(11081820)
475798.54	3745194.08	4.10838	(11082922)	475752.37	3745335.13	3.81315	(14083119)
475776.90	3745405.80	3.95390	(15083019)	475731.82	3745293.23	3.80429	(11070820)
475784.75	3745574.23	2.28848	(16010516)	475709.78	3745574.77	2.65408	(10081623)
475708.88	3745598.80	2.57904	(14072520)	475709.42	3745621.76	2.47692	(10061520)
475709.42	3745647.05	2.35430	(10061520)	475709.06	3745668.21	2.26655	(10062522)
475709.96	3745693.68	2.25565	(10092720)	475709.42	3745717.00	2.21887	(10092720)
475709.06	3745739.77	2.15943	(10092720)	475777.75	3745697.27	2.05189	(16010516)
475785.29	3745721.66	1.94668	(16010516)	475794.25	3745802.05	1.45054	(11050420)
475778.85	3745842.00	1.35945	(11050420)	475800.05	3745888.80	1.22989	(16061020)
475789.98	3745940.18	0.73119	(15100407)	475892.19	3745936.40	1.08609	(16123116)
475893.32	3746111.50	0.81825	(16123116)	476130.12	3746085.01	0.79555	(10082818)
476129.71	3745935.03	1.14165	(14113016)	475595.68	3746575.78	0.76826	(11082720)
475911.01	3746495.74	0.37731	(11070120)	475863.30	3746556.38	0.37473	(16123116)
475594.25	3746890.12	0.39275	(14072723)	476146.43	3746600.47	0.33326	(10082818)
476082.93	3746873.86	0.26556	(10082818)	475609.08	3746999.92	0.23738	(16123116)
475745.21	3747048.16	0.22946	(16123116)	475382.02	3746160.96	1.58262	(10092720)
475411.04	3746003.05	1.74928	(15083119)	474409.00	3746437.28	1.26657	(15062220)
476290.36	3746244.91	0.83331	(14113016)	476339.29	3746119.15	0.96018	(14113016)
476311.38	3746179.40	0.92270	(14113016)	476277.82	3746288.18	0.76676	(14113016)
476333.63	3746432.95	0.61931	(14113016)	476384.17	3745949.30	0.90893	(14113016)
476360.32	3745999.45	1.01313	(14113016)	476412.89	3745836.48	1.14609	(15050818)
476404.80	3745918.57	0.90917	(16082607)	476434.06	3745820.87	1.22402	(15050818)
476454.86	3745720.49	1.45295	(15050818)	475797.42	3744976.75	4.33529	(16071821)
476060.39	3744909.25	7.50626	(14111116)	475777.26	3744882.37	4.13748	(15090905)
475781.93	3744832.11	3.96860	(15070120)	475779.60	3744791.20	3.81135	(15090820)
475786.02	3744729.84	3.51725	(15090904)	475774.63	3744924.73	4.15881	(16110820)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B14 ***
INCLUDING SOURCE(S): B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.69129	(14021817)	476314.71	3744669.61	0.79200	(14090307)
476332.85	3744655.27	0.73803	(14090307)	476365.97	3744513.73	0.60530	(14090307)
476245.90	3744942.48	1.56742	(14021817)	476289.52	3745000.38	1.75308	(14021817)
476288.55	3745361.57	6.96177	(11091107)	475880.74	3745148.55	3.25002	(15051418)
475796.73	3745058.23	3.07204	(14090219)	475750.05	3745108.89	3.32033	(15090904)
475798.54	3745194.08	4.15568	(16092520)	475752.37	3745335.13	9.73414	(11010316)
475776.90	3745405.80	10.72490	(11010316)	475731.82	3745293.23	7.71574	(11010316)
475784.75	3745574.23	13.54425	(16010616)	475709.78	3745574.77	6.99418	(14070720)
475708.88	3745598.80	6.81027	(14083119)	475709.42	3745621.76	7.15754	(14090218)
475709.42	3745647.05	7.42792	(14090218)	475709.06	3745668.21	7.29619	(14090218)
475709.96	3745693.68	6.84657	(14090218)	475709.42	3745717.00	6.18808	(14090218)
475709.06	3745739.77	5.47265	(14090218)	475777.75	3745697.27	7.82511	(14090218)
475785.29	3745721.66	6.29830	(14090218)	475794.25	3745802.05	4.50741	(16010516)
475778.85	3745842.00	3.85474	(16010516)	475800.05			

3745888.80 3.16750 (16010516)
475789.98 3745940.18 2.52221 (16010516) 475892.19
3745936.40 2.29297 (14030117)
475893.32 3746111.50 1.43512 (16123116) 476130.12
3746085.01 2.19016 (14113016)
476129.71 3745935.03 3.16845 (14113016) 475595.68
3746575.78 1.07750 (11082720)
475911.01 3746495.74 0.70509 (10082818) 475863.30
3746556.38 0.57935 (10082818)
475594.25 3746890.12 0.58236 (14072723) 476146.43
3746600.47 0.79314 (14113016)
476082.93 3746873.86 0.42077 (14113016) 475609.08
3746999.92 0.38145 (11092818)
475745.21 3747048.16 0.33460 (11070120) 475382.02
3746160.96 2.54051 (10100219)
475411.04 3746003.05 2.99743 (16081820) 474409.00
3746437.28 1.72764 (15091322)
476290.36 3746244.91 0.97846 (14113016) 476339.29
3746119.15 1.35043 (15050818)
476311.38 3746179.40 1.10998 (16082607) 476277.82
3746288.18 1.01697 (14113016)
476333.63 3746432.95 0.71603 (14113016) 476384.17
3745949.30 2.01490 (14041207)
476360.32 3745999.45 1.79318 (14041207) 476412.89
3745836.48 2.47125 (16090507)
476404.80 3745918.57 2.06475 (14041207) 476434.06
3745820.87 2.36671 (16090507)
476454.86 3745720.49 2.24931 (16040918) 475797.42
3744976.75 2.89939 (15090720)
476060.39 3744909.25 1.43546 (14091420) 475777.26
3744882.37 2.83977 (11080220)
475781.93 3744832.11 2.62585 (11080220) 475779.60
3744791.20 2.46844 (11080220)
475786.02 3744729.84 2.25320 (11070223) 475774.63
3744924.73 2.97448 (15090720)
475782.23 3744693.90 2.13951 (11070223) 475768.20
3744638.68 2.11014 (11070223)
475787.19 3744589.00 1.89448 (10082521) 475706.26
3744502.22 1.75920 (11070223)
475780.18 3744427.13 1.65865 (10082521) 475764.11
3744390.61 1.64195 (10082521)
477060.85 3744371.76 0.43937 (16050618) 476803.53
3745166.88 0.84071 (11091107)
477112.67 3745114.97 0.49396 (15111718) 477464.43
3745086.80 0.33571 (15012407)
477531.57 3745005.51 0.31434 (15111718) 475715.48
3746455.63 0.95662 (14072723)
475791.98 3746459.29 0.76539 (16123116) 475771.33
3746506.69 0.71141 (16123116)
475775.18 3746458.34 0.76878 (16123116) 475750.42
3746454.29 0.76088 (16123116)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B17 ***
INCLUDING SOURCE(S): B17_1 , B17_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN

MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.22083	(14090307)	476314.71	3744669.61	0.23346	(10071320)
476332.85	3744655.27	0.22899	(10071320)	476365.97	3744513.73	0.20288	(10071320)
476245.90	3744942.48	0.30578	(10071320)	476289.52	3745000.38	0.33425	(14090307)
476288.55	3745361.57	0.57424	(14090307)	475880.74	3745148.55	0.61950	(14091520)
475796.73	3745058.23	0.89569	(15062523)	475750.05	3745108.89	0.98881	(10082521)
475798.54	3745194.08	1.00000	(10082521)	475752.37	3745335.13	1.26269	(11070223)
475776.90	3745405.80	1.40694	(11070223)	475731.82	3745293.23	1.26120	(11070223)
475784.75	3745574.23	1.09307	(14110618)	475709.78	3745574.77	1.66406	(15090720)
475708.88	3745598.80	1.74002	(15090720)	475709.42	3745621.76	1.77607	(15090720)
475709.42	3745647.05	1.81706	(15090720)	475709.06	3745668.21	1.88695	(15090823)
475709.96	3745693.68	2.02515	(15090823)	475709.42	3745717.00	2.10838	(15090823)
475709.06	3745739.77	2.18037	(11090705)	475777.75	3745697.27	1.37962	(14091606)
475785.29	3745721.66	1.44883	(14091606)	475794.25	3745802.05	1.79667	(15051418)
475778.85	3745842.00	1.93718	(15051418)	475800.05	3745888.80	2.27437	(15051418)
475789.98	3745940.18	2.46687	(15051418)	475892.19	3745936.40	2.74854	(15051418)
475893.32	3746111.50	8.23336	(11010316)	476130.12	3746085.01	6.40525	(10020417)
476129.71	3745935.03	2.68944	(14090307)	475595.68	3746575.78	2.71063	(15082119)
475911.01	3746495.74	4.21791	(16010516)	475863.30	3746556.38	3.23749	(16010516)
475594.25	3746890.12	1.53419	(10092818)	476146.43	3746600.47	2.87567	(14113016)
476082.93	3746873.86	1.50269	(14113016)	475609.08	3746999.92	0.84610	(11050420)
475745.21	3747048.16	0.66197	(16123116)	475382.02	3746160.96	3.32171	(11082922)
475411.04	3746003.05	3.01895	(14032020)	474409.00	3746437.28	1.49391	(16102119)
476290.36	3746244.91	5.28825	(16082707)	476339.29	3746119.15	3.58556	(11091107)
476311.38	3746179.40	4.20868	(11091107)	476277.82	3746288.18	5.12960	(14022617)
476333.63	3746432.95	3.13918	(16040918)	476384.17	3745949.30	2.51125	(16050618)
476360.32	3745999.45	2.88377	(16050618)	476412.89	3745836.48	1.76903	(16050618)
476404.80	3745918.57	2.25566	(16050618)	476434.06	3745820.87	1.66719	(16050618)
476454.86	3745720.49	1.18370	(10020417)	475797.42	3744976.75	0.92730	(15062523)
476060.39	3744909.25	0.46026	(14091420)	475777.26	3744882.37	0.90666	(15062523)
475781.93	3744832.11	0.86159	(14082721)	475779.60	3744791.20	0.83436	(14082721)

475786.02	3744729.84	0.78975	(14082721)	475774.63	
3744924.73	0.92976	(15062523)			
475782.23	3744693.90	0.76578	(14082721)	475768.20	
3744638.68	0.77654	(14082721)			
475787.19	3744589.00	0.71016	(16100819)	475706.26	
3744502.22	0.70291	(15062523)			
475780.18	3744427.13	0.66592	(16100819)	475764.11	
3744390.61	0.66598	(16100819)			
477060.85	3744371.76	0.15647	(10082619)	476803.53	
3745166.88	0.34931	(10020417)			
477112.67	3745114.97	0.31411	(16050618)	477464.43	
3745086.80	0.23877	(16050618)			
477531.57	3745005.51	0.22132	(16050618)	475715.48	
3746455.63	4.88227	(14090218)			
475791.98	3746459.29	5.21191	(14090218)	475771.33	
3746506.69	3.86044	(16010516)			
475775.18	3746458.34	5.27758	(14090218)	475750.42	
3746454.29	5.31568	(14090218)			

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/17/23
*** AERMET - VERSION 16216 ***
*** *** 17:33:11

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B18 ***
INCLUDING SOURCE(S): B18_1 , B18_2 , B18_3 , B18_4 , B18_5 ,
B18_6 , B18_7 , B18_8 , B18_9 , B18_10 ,
B18_11 , B18_12 , B18_13 ,
B18_14 , B18_15 , B18_16 , B18_17 , B18_18 ,
B18_19 , B18_20 , B18_21 ,
B18_22 , B18_23 , B18_24 , B18_25 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.24980	(14072920)	476314.71			
3744669.61	0.26880	(14082820)					
476332.85	3744655.27	0.26460	(14082820)	476365.97			
3744513.73	0.23641	(11081720)					
476245.90	3744942.48	0.34517	(14082820)	476289.52			
3745000.38	0.35734	(15082420)					
476288.55	3745361.57	0.59145	(10083118)	475880.74			
3745148.55	0.47924	(11062720)					
475796.73	3745058.23	0.44707	(11090621)	475750.05			
3745108.89	0.47579	(11090621)					
475798.54	3745194.08	0.52604	(16010916)	475752.37			
3745335.13	0.64621	(11090621)					
475776.90	3745405.80	0.77583	(16010916)	475731.82			
3745293.23	0.75164	(14091420)					
475784.75	3745574.23	1.11662	(16010916)	475709.78			
3745574.77	0.96097	(16010916)					
475708.88	3745598.80	1.01961	(16010916)	475709.42			
3745621.76	1.08622	(16010916)					
475709.42	3745647.05	1.16403	(16010916)	475709.06			
3745668.21	1.23668	(14083118)					
475709.96	3745693.68	1.34266	(14083118)	475709.42			

3745717.00 1.44363 (14083118)
475709.06 3745739.77 1.55404 (14083118) 475777.75
3745697.27 1.54376 (16010916)
475785.29 3745721.66 1.63974 (16010916) 475794.25
3745802.05 2.22843 (14090307)
475778.85 3745842.00 2.53552 (14090307) 475800.05
3745888.80 3.45041 (14090307)
475789.98 3745940.18 4.43668 (14090307) 475892.19
3745936.40 3.61432 (14021817)
475893.32 3746111.50 8.86780 (16050618) 476130.12
3746085.01 2.54838 (11091107)
476129.71 3745935.03 2.53613 (16050618) 475595.68
3746575.78 9.16126 (16010516)
475911.01 3746495.74 6.84833 (14041207) 475863.30
3746556.38 6.46707 (14041207)
475594.25 3746890.12 1.82022 (16123116) 476146.43
3746600.47 1.97479 (16090507)
476082.93 3746873.86 1.33624 (14041207) 475609.08
3746999.92 1.22599 (10082818)
475745.21 3747048.16 1.32495 (14113016) 475382.02
3746160.96 5.16666 (15101319)
475411.04 3746003.05 4.62688 (10100118) 474409.00
3746437.28 1.92371 (16102119)
476290.36 3746244.91 1.38862 (16082707) 476339.29
3746119.15 1.08700 (16082707)
476311.38 3746179.40 1.32352 (16082707) 476277.82
3746288.18 1.32285 (14022617)
476333.63 3746432.95 1.08315 (10020717) 476384.17
3745949.30 1.04960 (11091107)
476360.32 3745999.45 1.11013 (11091107) 476412.89
3745836.48 0.92974 (16050618)
476404.80 3745918.57 0.98997 (11091107) 476434.06
3745820.87 0.88414 (16050618)
476454.86 3745720.49 0.97340 (16050618) 475797.42
3744976.75 0.53999 (11101218)
476060.39 3744909.25 0.39414 (14090307) 475777.26
3744882.37 0.57418 (14091420)
475781.93 3744832.11 0.53068 (14091420) 475779.60
3744791.20 0.52546 (14091420)
475786.02 3744729.84 0.49511 (14091420) 475774.63
3744924.73 0.58040 (14091420)
475782.23 3744693.90 0.48076 (14091420) 475768.20
3744638.68 0.69911 (10082320)
475787.19 3744589.00 0.50141 (11091819) 475706.26
3744502.22 0.62958 (14091120)
475780.18 3744427.13 0.59140 (10082320) 475764.11
3744390.61 0.61089 (10082320)
477060.85 3744371.76 0.17174 (15062120) 476803.53
3745166.88 0.40438 (16050618)
477112.67 3745114.97 0.32210 (16050618) 477464.43
3745086.80 0.19892 (11091107)
477531.57 3745005.51 0.18369 (11091107) 475715.48
3746455.63 19.23805 (14041207)
475791.98 3746459.29 19.51952 (14041207) 475771.33
3746506.69 11.16708 (14113016)
475775.18 3746458.34 20.26932 (14041207) 475750.42
3746454.29 20.99537 (14041207)

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

SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): B13_1 , B13_2 ,
B14_1 , B14_2 , B14_3 ,
B14_4 , B14_5 , B14_6 , B17_1 , B17_2 ,
B18_1 , B18_2 , B18_3 ,
B18_4 , B18_5 , B18_6 , B18_7 , B18_8 ,
B18_9 , B18_10 , B18_11 ,
B18_12 , B18_13 , B18_14 , B18_15 , B18_16 ,
B18_17 , B18_18 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	2.41745	(14021817)	476314.71	3744669.61	3.01541	(14021817)
476332.85	3744655.27	2.87791	(14021817)	476365.97	3744513.73	2.05185	(14090307)
476245.90	3744942.48	8.35045	(10020417)	476289.52	3745000.38	8.40072	(11091107)
476288.55	3745361.57	8.48158	(11091107)	475880.74	3745148.55	6.98029	(16110820)
475796.73	3745058.23	5.13347	(15090905)	475750.05	3745108.89	4.79762	(16071821)
475798.54	3745194.08	5.57567	(11081820)	475752.37	3745335.13	9.78731	(11010316)
475776.90	3745405.80	11.47606	(16010616)	475731.82	3745293.23	7.76751	(11010316)
475784.75	3745574.23	14.90179	(14090218)	475709.78	3745574.77	8.10979	(11070820)
475708.88	3745598.80	8.39227	(14090218)	475709.42	3745621.76	8.79178	(14090218)
475709.42	3745647.05	8.83240	(14090218)	475709.06	3745668.21	8.52195	(14090218)
475709.96	3745693.68	7.87213	(14090218)	475709.42	3745717.00	7.33105	(15092419)
475709.06	3745739.77	7.15179	(14072520)	475777.75	3745697.27	8.58612	(16010516)
475785.29	3745721.66	8.15093	(16010516)	475794.25	3745802.05	5.97464	(16010516)
475778.85	3745842.00	5.48943	(10092720)	475800.05	3745888.80	5.23118	(15101507)
475789.98	3745940.18	5.62128	(15101507)	475892.19	3745936.40	5.71521	(15101507)
475893.32	3746111.50	11.55404	(11091107)	476130.12	3746085.01	8.89833	(11091107)
476129.71	3745935.03	4.80314	(15101507)	475595.68	3746575.78	10.37495	(16010516)
475911.01	3746495.74	8.51971	(14041207)	475863.30	3746556.38	7.05070	(14041207)
475594.25	3746890.12	2.89249	(10060419)	476146.43	3746600.47	4.31317	(14041207)
476082.93	3746873.86	2.32635	(14113016)	475609.08	3746999.92	2.04349	(16123116)
475745.21	3747048.16	1.80665	(11070120)	475382.02	3746160.96	8.39976	(16062321)
475411.04	3746003.05	6.66195	(16071821)	474409.00	3746437.28	3.44103	(16102119)
476290.36	3746244.91	6.70019	(16082707)	476339.29	3746119.15	4.68335	(11091107)
476311.38	3746179.40	5.43284	(16082707)	476277.82			

3746288.18 6.46986 (14022617)
476333.63 3746432.95 3.70597 (16040918) 476384.17
3745949.30 3.23552 (16050618)
476360.32 3745999.45 3.67796 (11091107) 476412.89
3745836.48 3.30024 (14041207)
476404.80 3745918.57 3.00677 (16050618) 476434.06
3745820.87 3.19361 (14041207)
476454.86 3745720.49 3.21765 (14041207) 475797.42
3744976.75 5.21550 (15090820)
476060.39 3744909.25 8.73022 (14111116) 475777.26
3744882.37 4.99236 (15090820)
475781.93 3744832.11 4.91753 (15090904) 475779.60
3744791.20 4.77691 (14082320)
475786.02 3744729.84 4.71605 (15090823) 475774.63
3744924.73 4.98808 (15090820)
475782.23 3744693.90 4.58454 (15090720) 475768.20
3744638.68 4.47668 (15090720)
475787.19 3744589.00 4.28479 (11080220) 475706.26
3744502.22 3.75166 (15090720)
475780.18 3744427.13 3.92784 (11070223) 475764.11
3744390.61 3.84284 (11070223)
477060.85 3744371.76 1.11049 (16050618) 476803.53
3745166.88 1.50575 (15101507)
477112.67 3745114.97 0.94468 (15012407) 477464.43
3745086.80 0.68734 (15012407)
477531.57 3745005.51 0.67012 (14100418) 475715.48
3746455.63 19.68289 (14041207)
475791.98 3746459.29 20.20070 (14041207) 475771.33
3746506.69 11.36201 (14113016)
475775.18 3746458.34 20.88993 (14041207) 475750.42
3746454.29 21.54742 (14041207)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B13 ***
INCLUDING SOURCE(S): B13_1 , B13_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.90091	(15101624)	476314.71	3744669.61	1.17395	(15012508)
476332.85	3744655.27	1.10205	(15101624)	476365.97	3744513.73	0.79736	(15012508)
476245.90	3744942.48	3.35954	(10020424)	476289.52	3745000.38	3.27030m	(10060508)
476288.55	3745361.57	2.96094m	(10060508)	475880.74	3745148.55	3.32617	(16112624)
475796.73	3745058.23	2.47149	(11010224)	475750.05	3745108.89	2.37334	(11010224)
475798.54	3745194.08	2.87445	(11010224)	475752.37	3745335.13	1.91401m	(10030724)
475776.90	3745405.80	2.20030m	(10060524)	475731.82	3745293.23	2.01222	(11010224)

475784.75 3745574.23 1.47840 (16121608) 475709.78
3745574.77 1.42993m (10050124)
475708.88 3745598.80 1.44160 (16121608) 475709.42
3745621.76 1.47444 (16121608)
475709.42 3745647.05 1.49380 (16121608) 475709.06
3745668.21 1.50676 (16121608)
475709.96 3745693.68 1.53498 (16121608) 475709.42
3745717.00 1.53044 (16121608)
475709.06 3745739.77 1.51645 (16121608) 475777.75
3745697.27 1.40768 (16121608)
475785.29 3745721.66 1.38898 (16121608) 475794.25
3745802.05 1.21599 (16121608)
475778.85 3745842.00 1.12968 (16121608) 475800.05
3745888.80 1.00104 (16121608)
475789.98 3745940.18 0.52913 (10121908) 475892.19
3745936.40 0.60420 (10121908)
475893.32 3746111.50 0.44327 (10121908) 476130.12
3746085.01 0.51044 (16043008)
476129.71 3745935.03 0.67933 (16043008) 475595.68
3746575.78 0.50761 (14062708)
475911.01 3746495.74 0.25300 (16052008) 475863.30
3746556.38 0.23990 (11110408)
475594.25 3746890.12 0.27593 (10121908) 476146.43
3746600.47 0.25648 (16043008)
476082.93 3746873.86 0.18532 (16043008) 475609.08
3746999.92 0.15972 (10121908)
475745.21 3747048.16 0.15322 (11110408) 475382.02
3746160.96 0.80555 (16123108)
475411.04 3746003.05 0.89848 (16123108) 474409.00
3746437.28 0.56894m (10042324)
476290.36 3746244.91 0.37265 (16043008) 476339.29
3746119.15 0.41921 (16112024)
476311.38 3746179.40 0.38825 (16043008) 476277.82
3746288.18 0.35986 (16043008)
476333.63 3746432.95 0.28556 (16043008) 476384.17
3745949.30 0.52008 (14042524)
476360.32 3745999.45 0.49515 (16112024) 476412.89
3745836.48 0.59457 (14042524)
476404.80 3745918.57 0.53495 (14042524) 476434.06
3745820.87 0.60201 (14013108)
476454.86 3745720.49 0.75182 (14013108) 475797.42
3744976.75 2.39396 (16122224)
476060.39 3744909.25 3.91363m (10060508) 475777.26
3744882.37 2.33196 (16122224)
475781.93 3744832.11 2.31361 (16122224) 475779.60
3744791.20 2.18249 (16122224)
475786.02 3744729.84 1.92806 (16122224) 475774.63
3744924.73 2.26097 (16122224)
475782.23 3744693.90 1.73641 (16122224) 475768.20
3744638.68 1.50735 (16122224)
475787.19 3744589.00 1.33987 (14122324) 475706.26
3744502.22 1.09396 (14122324)
475780.18 3744427.13 1.03473 (11010124) 475764.11
3744390.61 0.97354 (11010124)
477060.85 3744371.76 0.23725c (14012524) 476803.53
3745166.88 0.53902m (10060508)
477112.67 3745114.97 0.29428m (10060508) 477464.43
3745086.80 0.18140 (11123024)
477531.57 3745005.51 0.16636 (11123024) 475715.48
3746455.63 0.42533 (10121908)
475791.98 3746459.29 0.27371 (10121908) 475771.33
3746506.69 0.25896 (10121908)
475775.18 3746458.34 0.27371 (10121908) 475750.42
3746454.29 0.27353 (10121908)

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/17/23

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B14 ***
INCLUDING SOURCE(S): B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.52788	(15012508)	476314.71	3744669.61	0.62881	(15012508)
476332.85	3744655.27	0.60547	(15012508)	476365.97	3744513.73	0.49415	(15012508)
476245.90	3744942.48	1.05339	(15012508)	476289.52	3745000.38	1.11809	(15101624)
476288.55	3745361.57	2.78563	(15111724)	475880.74	3745148.55	2.16401	(11010124)
475796.73	3745058.23	1.84646	(14122324)	475750.05	3745108.89	2.16296	(14122324)
475798.54	3745194.08	2.95726	(14122324)	475752.37	3745335.13	3.99039	(16122224)
475776.90	3745405.80	5.62649	(16122224)	475731.82	3745293.23	3.35440	(16122224)
475784.75	3745574.23	6.15702m	(10060508)	475709.78	3745574.77	4.08169	(11010224)
475708.88	3745598.80	3.63370	(11010224)	475709.42	3745621.76	3.36395m	(10042324)
475709.42	3745647.05	2.83756m	(10042324)	475709.06	3745668.21	3.18423m	(10060524)
475709.96	3745693.68	3.16430m	(10060524)	475709.42	3745717.00	3.04408m	(10060524)
475709.06	3745739.77	2.89127m	(10060524)	475777.75	3745697.27	3.35293m	(10060524)
475785.29	3745721.66	3.11823m	(10060524)	475794.25	3745802.05	2.46015	(16121608)
475778.85	3745842.00	2.56269	(16121608)	475800.05	3745888.80	2.06169	(16121608)
475789.98	3745940.18	1.51542	(16121608)	475892.19	3745936.40	1.46601	(10121908)
475893.32	3746111.50	0.89839	(16052008)	476130.12	3746085.01	0.94414	(16043008)
476129.71	3745935.03	1.38801	(16041024)	475595.68	3746575.78	0.73585	(14062708)
475911.01	3746495.74	0.45858	(16052008)	475863.30	3746556.38	0.40819	(16052008)
475594.25	3746890.12	0.41427	(10121908)	476146.43	3746600.47	0.41139	(16043008)
476082.93	3746873.86	0.30643	(16043008)	475609.08	3746999.92	0.28323	(10121908)
475745.21	3747048.16	0.22466	(11110408)	475382.02	3746160.96	1.35769m	(10060524)
475411.04	3746003.05	1.79986m	(10060524)	474409.00	3746437.28	0.62063m	(14061724)
476290.36	3746244.91	0.58713	(14042524)	476339.29			

3746119.15 0.70398 (14013108)
476311.38 3746179.40 0.63235 (14042524) 476277.82
3746288.18 0.55876 (16112024)
476333.63 3746432.95 0.43222 (16112024) 476384.17
3745949.30 0.95666 (14013108)
476360.32 3745999.45 0.90773 (14013108) 476412.89
3745836.48 1.06122 (14032624)
476404.80 3745918.57 0.95329 (14013108) 476434.06
3745820.87 1.02537 (14032624)
476454.86 3745720.49 1.09896m (10060508) 475797.42
3744976.75 1.58122 (11010124)
476060.39 3744909.25 1.11685 (14010524) 475777.26
3744882.37 1.41435 (11010124)
475781.93 3744832.11 1.29172 (11011124) 475779.60
3744791.20 1.20862 (11011124)
475786.02 3744729.84 1.10753 (11011124) 475774.63
3744924.73 1.53695 (11010124)
475782.23 3744693.90 1.04422 (11011124) 475768.20
3744638.68 0.97443 (11011124)
475787.19 3744589.00 0.89922 (11011124) 475706.26
3744502.22 0.76700 (11011124)
475780.18 3744427.13 0.73573 (11011124) 475764.11
3744390.61 0.70836 (11011124)
477060.85 3744371.76 0.21593 (16050824) 476803.53
3745166.88 0.49990 (15111724)
477112.67 3745114.97 0.30426 (15111724) 477464.43
3745086.80 0.19697 (15111724)
477531.57 3745005.51 0.18263 (15111724) 475715.48
3746455.63 0.70386 (10121908)
475791.98 3746459.29 0.54123 (10121908) 475771.33
3746506.69 0.50466 (10121908)
475775.18 3746458.34 0.54399 (10121908) 475750.42
3746454.29 0.54575 (10121908)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B17 ***
INCLUDING SOURCE(S): B17_1 , B17_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.17202	(16122708)	476314.71	3744669.61	0.17703	(16122708)
476332.85	3744655.27	0.17616	(16122708)	476365.97	3744513.73	0.15554	(16122708)
476245.90	3744942.48	0.23215	(16122708)	476289.52	3745000.38	0.25555	(16122708)
476288.55	3745361.57	0.42070	(15012508)	475880.74	3745148.55	0.34577	(11011124)
475796.73	3745058.23	0.42692	(11011124)	475750.05	3745108.89	0.45940	(11011124)
475798.54	3745194.08	0.50107	(11011124)	475752.37	3745335.13	0.61131	(11011124)

475776.90 3745405.80 0.69254 (11011124) 475731.82
3745293.23 0.57908 (11011124)
475784.75 3745574.23 0.62039 (11010124) 475709.78
3745574.77 0.82460 (11010124)
475708.88 3745598.80 0.86135 (11010124) 475709.42
3745621.76 0.89029 (11010124)
475709.42 3745647.05 0.92539 (11010124) 475709.06
3745668.21 0.96244 (11010124)
475709.96 3745693.68 1.02638 (14122324) 475709.42
3745717.00 1.09995 (14122324)
475709.06 3745739.77 1.17420 (14122324) 475777.75
3745697.27 0.83057 (14122324)
475785.29 3745721.66 0.88969 (14122324) 475794.25
3745802.05 1.15279 (14122324)
475778.85 3745842.00 1.32002 (14122324) 475800.05
3745888.80 1.54149 (14122324)
475789.98 3745940.18 1.77480 (14122324) 475892.19
3745936.40 1.52050m (10060508)
475893.32 3746111.50 4.62068m (10060508) 476130.12
3746085.01 3.39062m (14021824)
476129.71 3745935.03 1.67232 (15012508) 475595.68
3746575.78 1.47112m (10060524)
475911.01 3746495.74 2.41587m (10060508) 475863.30
3746556.38 1.63914 (10121908)
475594.25 3746890.12 1.14256 (16121608) 476146.43
3746600.47 1.41668 (16041024)
476082.93 3746873.86 0.70314 (16043008) 475609.08
3746999.92 0.70088 (16121608)
475745.21 3747048.16 0.44539 (10121908) 475382.02
3746160.96 1.46465 (11010224)
475411.04 3746003.05 1.33975 (16030724) 474409.00
3746437.28 0.38690 (14040424)
476290.36 3746244.91 2.31045c (16021224) 476339.29
3746119.15 1.52858 (15111724)
476311.38 3746179.40 1.92705 (15111724) 476277.82
3746288.18 2.46838m (10060508)
476333.63 3746432.95 1.36240m (10060508) 476384.17
3745949.30 0.87365c (14012524)
476360.32 3745999.45 1.03646c (14012524) 476412.89
3745836.48 0.71344 (16050824)
476404.80 3745918.57 0.78019c (14012524) 476434.06
3745820.87 0.66034 (16050824)
476454.86 3745720.49 0.58687 (16050824) 475797.42
3744976.75 0.40391 (11011124)
476060.39 3744909.25 0.29642 (10113008) 475777.26
3744882.37 0.38421 (10071108)
475781.93 3744832.11 0.36371 (10071108) 475779.60
3744791.20 0.35045 (10071108)
475786.02 3744729.84 0.32945 (10071108) 475774.63
3744924.73 0.39517 (10071108)
475782.23 3744693.90 0.31827 (10071108) 475768.20
3744638.68 0.31905 (10071108)
475787.19 3744589.00 0.28845 (10071108) 475706.26
3744502.22 0.28561 (10071108)
475780.18 3744427.13 0.26112 (10071108) 475764.11
3744390.61 0.26101 (10071108)
477060.85 3744371.76 0.11121m (10090824) 476803.53
3745166.88 0.23201 (16050824)
477112.67 3745114.97 0.14378 (16050824) 477464.43
3745086.80 0.10401c (14012524)
477531.57 3745005.51 0.09599c (14012524) 475715.48
3746455.63 2.31481 (16123024)
475791.98 3746459.29 2.21849 (16121608) 475771.33
3746506.69 1.88000 (16121608)
475775.18 3746458.34 2.10380m (10060524) 475750.42
3746454.29 1.96714m (10060524)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B18 ***
INCLUDING SOURCE(S): B18_1 , B18_2 ,
B18_3 , B18_4 , B18_5 ,
B18_6 , B18_7 , B18_8 , B18_9 , B18_10 ,
B18_11 , B18_12 , B18_13 ,
B18_14 , B18_15 , B18_16 , B18_17 , B18_18 ,
B18_19 , B18_20 , B18_21 ,
B18_22 , B18_23 , B18_24 , B18_25 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.19839	(15012508)	476314.71	3744669.61	0.21829	(15012508)
476332.85	3744655.27	0.21381	(15012508)	476365.97	3744513.73	0.19145	(15012508)
476245.90	3744942.48	0.27901	(15012508)	476289.52	3745000.38	0.27606	(15012508)
476288.55	3745361.57	0.39337	(16050824)	475880.74	3745148.55	0.36050	(14010524)
475796.73	3745058.23	0.31362	(14010524)	475750.05	3745108.89	0.32205	(14010524)
475798.54	3745194.08	0.37412	(14010524)	475752.37	3745335.13	0.45772	(14010524)
475776.90	3745405.80	0.53104	(14010524)	475731.82	3745293.23	0.48585	(10113008)
475784.75	3745574.23	0.74015	(14010524)	475709.78	3745574.77	0.68616	(14010524)
475708.88	3745598.80	0.72441	(14010524)	475709.42	3745621.76	0.76623	(14010524)
475709.42	3745647.05	0.81614	(14010524)	475709.06	3745668.21	0.86147	(14010524)
475709.96	3745693.68	0.92374	(14010524)	475709.42	3745717.00	0.98512	(14010524)
475709.06	3745739.77	1.05214	(14010524)	475777.75	3745697.27	0.99944	(14010524)
475785.29	3745721.66	1.06971	(14010524)	475794.25	3745802.05	1.35411	(14010524)
475778.85	3745842.00	1.56126	(14010524)	475800.05	3745888.80	1.86099	(16122708)
475789.98	3745940.18	2.32329	(16122708)	475892.19	3745936.40	1.92799	(15101624)
475893.32	3746111.50	3.46931	(10020424)	476130.12	3746085.01	1.18054	(15111724)
476129.71	3745935.03	0.89729c	(14012524)	475595.68	3746575.78	3.97917	(16010516)
475911.01	3746495.74	2.71607m	(10060508)	475863.30	3746556.38	2.67423	(16041024)
475594.25	3746890.12	0.95284	(10121908)	476146.43	3746600.47	0.89918m	(10060508)
476082.93	3746873.86	0.70669	(14013108)	475609.08			

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      3746999.92        0.74641  (16052008)
      475745.21   3747048.16        0.72481  (16043008)                 475382.02
      3746160.96        2.69996  (11010224)
      475411.04   3746003.05        2.65764  (16122224)                 474409.00
      3746437.28        0.55281  (14040424)
      476290.36   3746244.91        0.76356m (10060508)                 476339.29
      3746119.15        0.67684  (15111724)
      476311.38   3746179.40        0.72143  (15111724)                 476277.82
      3746288.18        0.79563m (10060508)
      476333.63   3746432.95        0.65455m (10060508)                 476384.17
      3745949.30        0.54640  (15111724)
      476360.32   3745999.45        0.60399  (15111724)                 476412.89
      3745836.48        0.44448  (15111724)
      476404.80   3745918.57        0.50768  (15111724)                 476434.06
      3745820.87        0.42208  (15111724)
      476454.86   3745720.49        0.37884c (14012524)                 475797.42
      3744976.75        0.35182  (10113008)
      476060.39   3744909.25        0.28286  (16122708)                 475777.26
      3744882.37        0.37754  (10113008)
      475781.93   3744832.11        0.34637  (10113008)                 475779.60
      3744791.20        0.34250  (10113008)
      475786.02   3744729.84        0.32233  (10113008)                 475774.63
      3744924.73        0.37984  (10113008)
      475782.23   3744693.90        0.31060  (10113008)                 475768.20
      3744638.68        0.42553  (10113008)
      475787.19   3744589.00        0.31889  (10113008)                 475706.26
      3744502.22        0.36204  (10113008)
      475780.18   3744427.13        0.35407  (10113008)                 475764.11
      3744390.61        0.35210  (10113008)
      477060.85   3744371.76        0.12878  (16050824)                 476803.53
      3745166.88        0.18202  (16050824)
      477112.67   3745114.97        0.13434c (14012524)                 477464.43
      3745086.80        0.10006c (14012524)
      477531.57   3745005.51        0.09413c (14012524)                 475715.48
      3746455.63       11.39168m (10060508)
      475791.98   3746459.29        8.31253  (16041024)                 475771.33
      3746506.69        5.55654  (16041024)
      475775.18   3746458.34        9.37249  (16041024)                 475750.42
      3746454.29       10.76527  (16041024)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/17/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:33:11

                        PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  8-HR AVERAGE CONCENTRATION   VALUES FOR
                                SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     B13_1       , B13_2       ,
                                    B14_1       , B14_2       , B14_3       ,
                   B14_4       , B14_5       , B14_6       , B17_1       , B17_2       ,
                   B18_1       , B18_2       , B18_3       ,
                   B18_4       , B18_5       , B18_6       , B18_7       , B18_8       ,
                   B18_9       , B18_10      , B18_11      ,
                   B18_12      , B18_13      , B18_14      , B18_15      , B18_16      ,
                   B18_17      , B18_18      ,  . . .      ,

                                               *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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476395.71	3744607.81	1.73221	(15012508)	476314.71
3744669.61	2.19143	(15012508)		
476332.85	3744655.27	2.07691	(15012508)	476365.97
3744513.73	1.63333	(15012508)		
476245.90	3744942.48	4.68282	(15101624)	476289.52
3745000.38	4.50078m	(10060508)		
476288.55	3745361.57	6.21536m	(10060508)	475880.74
3745148.55	5.67698m	(10060508)		
475796.73	3745058.23	3.95505	(16122224)	475750.05
3745108.89	3.72129	(16122224)		
475798.54	3745194.08	4.61150	(16122224)	475752.37
3745335.13	5.32999	(16122224)		
475776.90	3745405.80	7.49377m	(10060508)	475731.82
3745293.23	4.68540	(16122224)		
475784.75	3745574.23	8.09886m	(10060508)	475709.78
3745574.77	5.30866m	(10042324)		
475708.88	3745598.80	5.25302m	(10042324)	475709.42
3745621.76	5.26370m	(10060524)		
475709.42	3745647.05	4.83669m	(10060524)	475709.06
3745668.21	5.16224m	(10060524)		
475709.96	3745693.68	5.14748m	(10060524)	475709.42
3745717.00	5.01972m	(10060524)		
475709.06	3745739.77	4.86858m	(10060524)	475777.75
3745697.27	5.19699m	(10060524)		
475785.29	3745721.66	4.95050m	(10060524)	475794.25
3745802.05	4.39928m	(10060508)		
475778.85	3745842.00	4.36944	(16121608)	475800.05
3745888.80	4.45012m	(10060508)		
475789.98	3745940.18	4.78294m	(10060508)	475892.19
3745936.40	4.86227m	(10060508)		
475893.32	3746111.50	9.18375m	(10060508)	476130.12
3746085.01	5.63661m	(10060508)		
476129.71	3745935.03	4.08569m	(10060508)	475595.68
3746575.78	5.73407	(16121608)		
475911.01	3746495.74	5.66637m	(10060508)	475863.30
3746556.38	4.64339m	(10060508)		
475594.25	3746890.12	2.42041	(16121608)	476146.43
3746600.47	2.65393m	(10060508)		
476082.93	3746873.86	1.47666m	(10060508)	475609.08
3746999.92	1.59737	(10121908)		
475745.21	3747048.16	1.31169	(16052008)	475382.02
3746160.96	4.45408	(11010224)		
475411.04	3746003.05	4.27566m	(10060524)	474409.00
3746437.28	1.52384	(14040424)		
476290.36	3746244.91	3.81766m	(10060508)	476339.29
3746119.15	3.01361m	(10060508)		
476311.38	3746179.40	3.42439m	(10060508)	476277.82
3746288.18	3.97796m	(10060508)		
476333.63	3746432.95	2.56818m	(10060508)	476384.17
3745949.30	2.59150m	(10060508)		
476360.32	3745999.45	2.72515m	(10060508)	476412.89
3745836.48	2.54868m	(10060508)		
476404.80	3745918.57	2.50431m	(10060508)	476434.06
3745820.87	2.46905m	(10060508)		
476454.86	3745720.49	2.53147m	(10060508)	475797.42
3744976.75	3.81129	(16122224)		
476060.39	3744909.25	5.21095	(14010524)	475777.26
3744882.37	3.37712	(16122224)		
475781.93	3744832.11	3.17590	(16122224)	475779.60
3744791.20	3.00140	(11010124)		
475786.02	3744729.84	2.81336	(11010124)	475774.63
3744924.73	3.49565	(16122224)		
475782.23	3744693.90	2.66251	(11010124)	475768.20
3744638.68	2.48621	(11010124)		
475787.19	3744589.00	2.30272	(11010124)	475706.26

3744502.22 1.97227 (11010124)
475780.18 3744427.13 1.96637 (11011124) 475764.11
3744390.61 1.88134 (11011124)
477060.85 3744371.76 0.62729 (16050824) 476803.53
3745166.88 1.28035m (10060508)
477112.67 3745114.97 0.79006 (15111724) 477464.43
3745086.80 0.54569 (15111724)
477531.57 3745005.51 0.51023 (15111724) 475715.48
3746455.63 13.50068m (10060508)
475791.98 3746459.29 10.33070m (10060508) 475771.33
3746506.69 7.25237m (10060508)
475775.18 3746458.34 11.28341m (10060508) 475750.42
3746454.29 12.87998m (10060508)

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE GRID-ID
B13	HIGH 1ST HIGH VALUE IS 7.64827	ON 11091107:	AT (476289.52, 3745000.38, 463.00, 463.00, 2.00)	DC
B14	HIGH 1ST HIGH VALUE IS 13.54425	ON 16010616:	AT (475784.75, 3745574.23, 467.84, 467.84, 2.00)	DC
B17	HIGH 1ST HIGH VALUE IS 8.23336	ON 11010316:	AT (475893.32, 3746111.50, 465.00, 465.00, 2.00)	DC
B18	HIGH 1ST HIGH VALUE IS 20.99537	ON 14041207:	AT (475750.42, 3746454.29, 466.99, 466.99, 2.00)	DC
ALL	HIGH 1ST HIGH VALUE IS 21.54742	ON 14041207:	AT (475750.42, 3746454.29, 466.99, 466.99, 2.00)	DC

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

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
B13	HIGH 1ST HIGH VALUE IS	3.91363m	ON 10060508: AT (476060.39, 3744909.25, 466.65, 466.65, 2.00)	DC	
B14	HIGH 1ST HIGH VALUE IS	6.15702m	ON 10060508: AT (475784.75, 3745574.23, 467.84, 467.84, 2.00)	DC	
B17	HIGH 1ST HIGH VALUE IS	4.62068m	ON 10060508: AT (475893.32, 3746111.50, 465.00, 465.00, 2.00)	DC	
B18	HIGH 1ST HIGH VALUE IS	11.39168m	ON 10060508: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC	
ALL	HIGH 1ST HIGH VALUE IS	13.50068m	ON 10060508: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

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

ME W186	139	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	139	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

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

****

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops NO2\13697 Ops NO2.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2189641 Riverside_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Ops NO2.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
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   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.0031751466     5.000    44.819     1.400
   SRCPARAM B13_2        0.0031751466     5.000    44.819     1.400
   SRCPARAM B14_1        0.002557757     5.000    27.337     1.400
   SRCPARAM B14_2        0.002557757     5.000    27.337     1.400
   SRCPARAM B14_3        0.002557757     5.000    27.337     1.400
   SRCPARAM B14_4        0.002557757     5.000    27.337     1.400
   SRCPARAM B14_5        0.002557757     5.000    27.337     1.400
   SRCPARAM B14_6        0.002557757     5.000    27.337     1.400
   SRCPARAM B17_1        0.0026207559     5.000    44.726     1.400
   SRCPARAM B17_2        0.0026207559     5.000    44.726     1.400
   SRCPARAM B18_1        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_2        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_3        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_4        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_5        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_6        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_7        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_8        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_9        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_10       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_11       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_12       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_13       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_14       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_15       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_16       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_17       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_18       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_19       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_20       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_21       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_22       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_23       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_24       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_25       0.0002620756     5.000    12.365     1.400
   URBANSRC ALL
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Ops NO2.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
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   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   PLOTFILE 1 ALL 1ST "13697 OPS NO2.AD\1H_ALL.PLT" 31
   PLOTFILE 1 B13 1ST "13697 OPS NO2.AD\1H_B13.PLT" 32
   PLOTFILE 1 B14 1ST "13697 OPS NO2.AD\1H_B14.PLT" 33
   PLOTFILE 1 B17 1ST "13697 OPS NO2.AD\1H_B17.PLT" 34
   PLOTFILE 1 B18 1ST "13697 OPS NO2.AD\1H_B18.PLT" 35
   SUMMFILE "13697 Ops NO2.sum"
OU FINISHED
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** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops NO2\13697 Ops NO2.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2189641 Riverside_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Ops NO2.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
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   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.0031751466     5.000    44.819     1.400
   SRCPARAM B13_2        0.0031751466     5.000    44.819     1.400
   SRCPARAM B14_1        0.002557757     5.000    27.337     1.400
   SRCPARAM B14_2        0.002557757     5.000    27.337     1.400
   SRCPARAM B14_3        0.002557757     5.000    27.337     1.400
   SRCPARAM B14_4        0.002557757     5.000    27.337     1.400
   SRCPARAM B14_5        0.002557757     5.000    27.337     1.400
   SRCPARAM B14_6        0.002557757     5.000    27.337     1.400
   SRCPARAM B17_1        0.0026207559     5.000    44.726     1.400
   SRCPARAM B17_2        0.0026207559     5.000    44.726     1.400
   SRCPARAM B18_1        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_2        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_3        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_4        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_5        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_6        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_7        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_8        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_9        0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_10       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_11       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_12       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_13       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_14       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_15       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_16       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_17       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_18       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_19       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_20       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_21       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_22       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_23       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_24       0.0002620756     5.000    12.365     1.400
   SRCPARAM B18_25       0.0002620756     5.000    12.365     1.400
   URBANSRC ALL
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "13697 Ops NO2.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
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ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   PLOTFILE 1 ALL 1ST "13697 OPS NO2.AD\1H_ALL.PLT" 31
   PLOTFILE 1 B13 1ST "13697 OPS NO2.AD\1H_B13.PLT" 32
   PLOTFILE 1 B14 1ST "13697 OPS NO2.AD\1H_B14.PLT" 33
   PLOTFILE 1 B17 1ST "13697 OPS NO2.AD\1H_B17.PLT" 34
   PLOTFILE 1 B18 1ST "13697 OPS NO2.AD\1H_B18.PLT" 35
   SUMMFILE "13697 Ops NO2.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     139       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     139       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:48:53

                      PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - -

 ** 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    35 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
     * CCVR_Sub - Meteorological data includes CCVR substitutions
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Accepts FLAGPOLE Receptor . Heights.
     * The User Specified a Pollutant Type of: NOX

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

 **This Run Includes:     35 Source(s);       5 Source Group(s); and      78 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     35 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   442.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                Emission Units = GRAMS/SEC                              ;  Emission Rate
                Unit Factor =   0.10000E+07
                Output Units   = MICROGRAMS/M**3

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

 **Input Runstream File:
 aermod.inp
 **Output Print File:
 aermod.out

 **Detailed Error/Message File:   13697 Ops
 NO2.err
 **File for Summary of Results:   13697 Ops
 NO2.sum
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       09:48:53
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
B13_1	0	0.31751E-02	476101.1	3745262.2	464.0	5.00	44.82	1.40	YES
B13_2	0	0.31751E-02	476102.0	3745072.0	465.9	5.00	44.82	1.40	YES
B14_1	0	0.25578E-02	475881.8	3745554.6	466.0	5.00	27.34	1.40	YES
B14_2	0	0.25578E-02	475881.2	3745437.3	468.2	5.00	27.34	1.40	YES
B14_3	0	0.25578E-02	475999.6	3745554.0	464.7	5.00	27.34	1.40	YES
B14_4	0	0.25578E-02	476000.0	3745437.7	465.7	5.00	27.34	1.40	YES
B14_5	0	0.25578E-02	476071.8	3745548.2	464.0	5.00	27.34	1.40	YES
B14_6	0	0.25578E-02	476118.4	3745439.0	463.0	5.00	27.34	1.40	YES
B17_1	0	0.26208E-02	475926.0	3746256.1	465.0	5.00	44.73	1.40	YES
B17_2	0	0.26208E-02	476070.8	3746258.4	463.0	5.00	44.73	1.40	YES
B18_1	0	0.26208E-03	475632.5	3746502.6	469.1	5.00	12.37	1.40	YES
B18_2	0	0.26208E-03	475633.4	3746447.8	469.9	5.00	12.37	1.40	YES
B18_3	0	0.26208E-03	475638.8	3746403.3	469.7	5.00	12.37	1.40	YES
B18_4	0	0.26208E-03	475681.1	3746405.0	469.0	5.00	12.37	1.40	YES
B18_5	0	0.26208E-03	475727.7	3746410.8	467.7	5.00	12.37	1.40	YES
B18_6	0	0.26208E-03	475775.0	3746409.1	466.4	5.00	12.37	1.40	YES
B18_7	0	0.26208E-03	475640.0	3746350.6	469.9	5.00	12.37	1.40	YES
B18_8	0	0.26208E-03	475690.3	3746353.5	469.0	5.00	12.37	1.40	YES
B18_9	0	0.26208E-03	475774.6	3746355.1	467.2	5.00	12.37	1.40	YES
B18_10	0	0.26208E-03	475731.0	3746357.2	468.0	5.00	12.37	1.40	YES
B18_11	0	0.26208E-03	475639.2	3746296.6	469.7	5.00	12.37	1.40	YES
B18_12	0	0.26208E-03	475689.9	3746300.7	469.0	5.00	12.37	1.40	YES
B18_13	0	0.26208E-03	475740.5	3746303.6	468.0	5.00	12.37	1.40	YES
B18_14	0	0.26208E-03	475774.6	3746301.6	467.2	5.00	12.37	1.40	YES
B18_15	0	0.26208E-03	475637.5	3746242.6	469.8	5.00	12.37	1.40	YES
B18_16	0	0.26208E-03	475683.6	3746246.3	469.1	5.00	12.37	1.40	

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 YES
 B18_17          0   0.26208E-03  475729.3 3746245.5   468.0     5.00    12.37     1.40
 YES
 B18_18          0   0.26208E-03  475774.2 3746248.0   467.2     5.00    12.37     1.40
 YES
 B18_19          0   0.26208E-03  475635.9 3746187.3   469.3     5.00    12.37     1.40
 YES
 B18_20          0   0.26208E-03  475689.0 3746191.9   469.0     5.00    12.37     1.40
 YES
 B18_21          0   0.26208E-03  475740.1 3746192.3   467.7     5.00    12.37     1.40
 YES
 B18_22          0   0.26208E-03  475775.0 3746192.7   467.1     5.00    12.37     1.40
 YES
 B18_23          0   0.26208E-03  475689.5 3746183.6   469.0     5.00    12.37     1.40
 YES
 B18_24          0   0.26208E-03  475743.5 3746185.2   467.4     5.00    12.37     1.40
 YES
 B18_25          0   0.26208E-03  475771.3 3746185.7   467.1     5.00    12.37     1.40
 YES
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        09:48:53

                    PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  B13        B13_1       , B13_2       ,

  B14        B14_1       , B14_2       , B14_3       , B14_4       , B14_5       , B14_6       ,

  B17        B17_1       , B17_2       ,

  B18        B18_1       , B18_2       , B18_3       , B18_4       , B18_5       , B18_6       ,
  B18_7       , B18_8       ,

             B18_9       , B18_10      , B18_11      , B18_12      , B18_13      , B18_14      ,
             B18_15      , B18_16      ,

             B18_17      , B18_18      , B18_19      , B18_20      , B18_21      , B18_22      ,
             B18_23      , B18_24      ,

             B18_25      ,

  ALL        B13_1       , B13_2       , B14_1       , B14_2       , B14_3       , B14_4       ,
  B14_5       , B14_6       ,

             B17_1       , B17_2       , B18_1       , B18_2       , B18_3       , B18_4       ,
             B18_5       , B18_6       ,

             B18_7       , B18_8       , B18_9       , B18_10      , B18_11      , B18_12      ,
             B18_13      , B18_14      ,

             B18_15      , B18_16      , B18_17      , B18_18      , B18_19      , B18_20      ,
             B18_21      , B18_22      ,

             B18_23      , B18_24      , B18_25      ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
```

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	B13_1 , B13_2 , B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,
		B17_1 , B17_2 , B18_1 , B18_2 , B18_3 , B18_4 , B18_5 , B18_6 ,
		B18_7 , B18_8 , B18_9 , B18_10 , B18_11 , B18_12 , B18_13 , B18_14 ,
		B18_15 , B18_16 , B18_17 , B18_18 , B18_19 , B18_20 , B18_21 , B18_22 ,
		B18_23 , B18_24 , B18_25 ,

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

(476395.7, 3744607.8, 462.5, 462.5, 2.0); (476314.7, 3744669.6, 463.2, 463.2, 2.0);
(476332.8, 3744655.3, 463.0, 463.0, 2.0); (476366.0, 3744513.7, 463.2, 463.2, 2.0);
(476245.9, 3744942.5, 463.5, 463.5, 2.0); (476289.5, 3745000.4, 463.0, 463.0, 2.0);
(476288.5, 3745361.6, 461.2, 461.2, 2.0); (475880.7, 3745148.5, 468.0, 468.0, 2.0);
(475796.7, 3745058.2, 469.6, 469.6, 2.0); (475750.0, 3745108.9, 470.0, 470.0, 2.0);
(475798.5, 3745194.1, 469.1, 469.1, 2.0); (475752.4, 3745335.1, 469.9, 469.9, 2.0);
(475776.9, 3745405.8, 470.0, 470.0, 2.0); (475731.8, 3745293.2, 470.6, 470.6, 2.0);
(475784.8, 3745574.2, 467.8, 467.8, 2.0); (475709.8, 3745574.8, 469.3, 469.3, 2.0);
(475708.9, 3745598.8, 469.4, 469.4, 2.0); (475709.4, 3745621.8, 469.2, 469.2, 2.0);
(475709.4, 3745647.0, 469.0, 469.0, 2.0); (475709.1, 3745668.2, 469.0, 469.0, 2.0);
(475710.0, 3745693.7, 469.3, 469.3, 2.0); (475709.4, 3745717.0, 469.4, 469.4, 2.0);
(475709.1, 3745739.8, 469.4, 469.4, 2.0); (475777.8, 3745697.3, 468.0, 468.0, 2.0);
(475785.3, 3745721.7, 467.8, 467.8, 2.0); (475794.2, 3745802.0, 467.5, 467.5, 2.0);
(475778.8, 3745842.0, 468.0, 468.0, 2.0); (475800.0, 3745888.8,

```
     467.3,       467.3,          2.0);
     ( 475790.0, 3745940.2,      467.0,       467.0,         2.0);          ( 475892.2, 3745936.4,
     465.2,       465.2,          2.0);
     ( 475893.3, 3746111.5,      465.0,       465.0,         2.0);          ( 476130.1, 3746085.0,
     462.0,       462.0,          2.0);
     ( 476129.7, 3745935.0,      462.0,       462.0,         2.0);          ( 475595.7, 3746575.8,
     469.1,       469.1,          2.0);
     ( 475911.0, 3746495.7,      464.0,       464.0,         2.0);          ( 475863.3, 3746556.4,
     464.5,       464.5,          2.0);
     ( 475594.2, 3746890.1,      468.4,       468.4,         2.0);          ( 476146.4, 3746600.5,
     460.7,       460.7,          2.0);
     ( 476082.9, 3746873.9,      459.9,       459.9,         2.0);          ( 475609.1, 3746999.9,
     467.0,       467.0,          2.0);
     ( 475745.2, 3747048.2,      464.2,       464.2,         2.0);          ( 475382.0, 3746161.0,
     476.1,       476.1,          2.0);
     ( 475411.0, 3746003.0,      475.3,       475.3,         2.0);          ( 474409.0, 3746437.3,
     518.9,       524.0,          2.0);
     ( 476290.4, 3746244.9,      460.0,       460.0,         2.0);          ( 476339.3, 3746119.1,
     460.0,       460.0,          2.0);
     ( 476311.4, 3746179.4,      460.0,       460.0,         2.0);          ( 476277.8, 3746288.2,
     460.0,       460.0,          2.0);
     ( 476333.6, 3746432.9,      459.0,       459.0,         2.0);          ( 476384.2, 3745949.3,
     460.0,       460.0,          2.0);
     ( 476360.3, 3745999.4,      460.0,       460.0,         2.0);          ( 476412.9, 3745836.5,
     460.0,       460.0,          2.0);
     ( 476404.8, 3745918.6,      460.0,       460.0,         2.0);          ( 476434.1, 3745820.9,
     460.0,       460.0,          2.0);
     ( 476454.9, 3745720.5,      459.0,       459.0,         2.0);          ( 475797.4, 3744976.8,
     471.0,       471.0,          2.0);
     ( 476060.4, 3744909.2,      466.7,       466.7,         2.0);          ( 475777.3, 3744882.4,
     472.0,       472.0,          2.0);
     ( 475781.9, 3744832.1,      471.9,       471.9,         2.0);          ( 475779.6, 3744791.2,
     472.0,       472.0,          2.0);
     ( 475786.0, 3744729.8,      472.0,       472.0,         2.0);          ( 475774.6, 3744924.7,
     471.8,       471.8,          2.0);
     ( 475782.2, 3744693.9,      472.0,       472.0,         2.0);          ( 475768.2, 3744638.7,
     473.0,       473.0,          2.0);
     ( 475787.2, 3744589.0,      472.1,       472.1,         2.0);          ( 475706.3, 3744502.2,
     473.1,       473.1,          2.0);
     ( 475780.2, 3744427.1,      473.0,       473.0,         2.0);          ( 475764.1, 3744390.6,
     473.5,       473.5,          2.0);
     ( 477060.8, 3744371.8,      455.0,       455.0,         2.0);          ( 476803.5, 3745166.9,
     456.0,       456.0,          2.0);
     ( 477112.7, 3745115.0,      453.6,       453.6,         2.0);          ( 477464.4, 3745086.8,
     450.0,       450.0,          2.0);
     ( 477531.6, 3745005.5,      450.0,       450.0,         2.0);          ( 475715.5, 3746455.6,
     468.1,       468.1,          2.0);
     ( 475792.0, 3746459.3,      466.3,       466.3,         2.0);          ( 475771.3, 3746506.7,
     466.3,       466.3,          2.0);
     ( 475775.2, 3746458.3,      466.7,       466.7,         2.0);          ( 475750.4, 3746454.3,
     467.0,       467.0,          2.0);
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        09:48:53

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

             1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
             1   1 1 1 1 1 1 1 1 1 1
             1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
             1   1 1 1 1 1 1 1 1 1 1
```

```
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 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:
   PERI_V9_ADJU\PERI_v9.SFC                                                            Met
   Version:  16216
   Profile file:
   PERI_V9_ADJU\PERI_v9.PFL
   Surface format:
   FREE

   Profile format:
   FREE

   Surface station no.:     3171                   Upper air station no.:     3190
                  Name: UNKNOWN                                     Name:
                  UNKNOWN
                  Year:   2010                                      Year:   2010

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS
 WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - -
 10 01 01   1 01   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 335.    9.1  282.5    5.5
 10 01 01   1 02   -3.9  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 142.    9.1  280.9    5.5
 10 01 01   1 03   -3.9  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 324.    9.1  280.4    5.5
 10 01 01   1 04   -1.3  0.064 -9.000 -9.000 -999.   39.     18.3  0.19   0.61   1.00    0.40
 294.    9.1  278.8    5.5
 10 01 01   1 05   -3.9  0.088 -9.000 -9.000 -999.   62.     15.0  0.19   0.61   1.00    0.90
 205.    9.1  278.1    5.5
 10 01 01   1 06   -1.3  0.065 -9.000 -9.000 -999.   39.     18.3  0.19   0.61   1.00    0.40
 3.    9.1  277.0    5.5
 10 01 01   1 07   -8.0  0.125 -9.000 -9.000 -999.  106.     21.0  0.19   0.61   1.00    1.30
```

```
 99.    9.1  277.0    5.5
 10 01 01   1 08   -3.3  0.086 -9.000 -9.000 -999.   61.     16.8  0.19   0.61   0.54    0.90
 319.    9.1  278.8    5.5
 10 01 01   1 09   20.1  0.128  0.307  0.010   49.  110.     -9.0  0.19   0.61   0.33    0.90
 239.    9.1  284.2    5.5
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
 188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
 310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
 357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
 356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
 50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
 53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
 11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
 351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
 181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
 318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        09:48:53

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

                           *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR
                           SOURCE GROUP:  B13      ***
                               INCLUDING SOURCE(S):     B13_1       , B13_2       ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

     X-COORD (M)  Y-COORD (M)         CONC      (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)         CONC      (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
       476395.71   3744607.81         0.10041  (10041918)               476314.71
       3744669.61         0.13943  (14021817)
```

476332.85 3744655.27 0.13016 (14021817) 476365.97
3744513.73 0.08278 (14021817)
476245.90 3744942.48 0.52600 (16050618) 476289.52
3745000.38 0.52660 (11091107)
476288.55 3745361.57 0.50451 (14041207) 475880.74
3745148.55 0.40524 (16010616)
475796.73 3745058.23 0.27693 (15101319) 475750.05
3745108.89 0.25684 (11081820)
475798.54 3745194.08 0.28287 (11082922) 475752.37
3745335.13 0.26254 (14083119)
475776.90 3745405.80 0.27224 (15083019) 475731.82
3745293.23 0.26193 (11070820)
475784.75 3745574.23 0.15757 (16010516) 475709.78
3745574.77 0.18274 (10081623)
475708.88 3745598.80 0.17757 (14072520) 475709.42
3745621.76 0.17054 (10061520)
475709.42 3745647.05 0.16210 (10061520) 475709.06
3745668.21 0.15606 (10062522)
475709.96 3745693.68 0.15531 (10092720) 475709.42
3745717.00 0.15277 (10092720)
475709.06 3745739.77 0.14868 (10092720) 475777.75
3745697.27 0.14128 (16010516)
475785.29 3745721.66 0.13403 (16010516) 475794.25
3745802.05 0.09987 (11050420)
475778.85 3745842.00 0.09360 (11050420) 475800.05
3745888.80 0.08468 (16061020)
475789.98 3745940.18 0.05034 (15100407) 475892.19
3745936.40 0.07478 (16123116)
475893.32 3746111.50 0.05634 (16123116) 476130.12
3746085.01 0.05478 (10082818)
476129.71 3745935.03 0.07861 (14113016) 475595.68
3746575.78 0.05290 (11082720)
475911.01 3746495.74 0.02598 (11070120) 475863.30
3746556.38 0.02580 (16123116)
475594.25 3746890.12 0.02704 (14072723) 476146.43
3746600.47 0.02295 (10082818)
476082.93 3746873.86 0.01828 (10082818) 475609.08
3746999.92 0.01634 (16123116)
475745.21 3747048.16 0.01580 (16123116) 475382.02
3746160.96 0.10897 (10092720)
475411.04 3746003.05 0.12044 (15083119) 474409.00
3746437.28 0.08721 (15062220)
476290.36 3746244.91 0.05738 (14113016) 476339.29
3746119.15 0.06611 (14113016)
476311.38 3746179.40 0.06353 (14113016) 476277.82
3746288.18 0.05279 (14113016)
476333.63 3746432.95 0.04264 (14113016) 476384.17
3745949.30 0.06258 (14113016)
476360.32 3745999.45 0.06976 (14113016) 476412.89
3745836.48 0.07891 (15050818)
476404.80 3745918.57 0.06260 (16082607) 476434.06
3745820.87 0.08428 (15050818)
476454.86 3745720.49 0.10004 (15050818) 475797.42
3744976.75 0.29850 (16071821)
476060.39 3744909.25 0.51682 (14111116) 475777.26
3744882.37 0.28488 (15090905)
475781.93 3744832.11 0.27325 (15070120) 475779.60
3744791.20 0.26242 (15090820)
475786.02 3744729.84 0.24217 (15090904) 475774.63
3744924.73 0.28634 (16110820)
475782.23 3744693.90 0.22717 (15090904) 475768.20
3744638.68 0.21564 (15102819)
475787.19 3744589.00 0.19582 (15090823) 475706.26
3744502.22 0.16726 (11090705)
475780.18 3744427.13 0.16306 (15090720) 475764.11
3744390.61 0.15754 (15090720)

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       477060.85   3744371.76        0.04144  (16050618)               476803.53
       3745166.88        0.05811  (14022617)
       477112.67   3745114.97        0.03505  (11062522)               477464.43
       3745086.80        0.02331  (11062522)
       477531.57   3745005.51        0.02153  (16082707)               475715.48
       3746455.63        0.04067  (14072723)
       475791.98   3746459.29        0.03232  (16123116)               475771.33
       3746506.69        0.02996  (16123116)
       475775.18   3746458.34        0.03174  (16123116)               475750.42
       3746454.29        0.03029  (16123116)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        09:48:53

 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                            *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR
                            SOURCE GROUP:  B14      ***
                                INCLUDING SOURCE(S):     B14_1       , B14_2       ,
                                B14_3       , B14_4       , B14_5       ,
                  B14_6       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
      (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
       476395.71   3744607.81        0.10024  (14021817)               476314.71
       3744669.61        0.11484  (14090307)
       476332.85   3744655.27        0.10701  (14090307)               476365.97
       3744513.73        0.08777  (14090307)
       476245.90   3744942.48        0.22728  (14021817)               476289.52
       3745000.38        0.25420  (14021817)
       476288.55   3745361.57        1.00946  (11091107)               475880.74
       3745148.55        0.47125  (15051418)
       475796.73   3745058.23        0.44545  (14090219)               475750.05
       3745108.89        0.48145  (15090904)
       475798.54   3745194.08        0.60257  (16092520)               475752.37
       3745335.13        1.41145  (11010316)
       475776.90   3745405.80        1.55511  (11010316)               475731.82
       3745293.23        1.11878  (11010316)
       475784.75   3745574.23        1.96392  (16010616)               475709.78
       3745574.77        1.01416  (14070720)
       475708.88   3745598.80        0.98749  (14083119)               475709.42
       3745621.76        1.03784  (14090218)
       475709.42   3745647.05        1.07705  (14090218)               475709.06
       3745668.21        1.05795  (14090218)
       475709.96   3745693.68        0.99275  (14090218)               475709.42
       3745717.00        0.89727  (14090218)
       475709.06   3745739.77        0.79353  (14090218)               475777.75
       3745697.27        1.13464  (14090218)
       475785.29   3745721.66        0.91325  (14090218)               475794.25
       3745802.05        0.65357  (16010516)
       475778.85   3745842.00        0.55894  (16010516)               475800.05
       3745888.80        0.45929  (16010516)
       475789.98   3745940.18        0.36572  (16010516)               475892.19
       3745936.40        0.33248  (14030117)
       475893.32   3746111.50        0.20809  (16123116)               476130.12
       3746085.01        0.31757  (14113016)
       476129.71   3745935.03        0.45943  (14113016)               475595.68
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      3746575.78        0.15624  (11082720)
      475911.01   3746495.74        0.10224  (10082818)                 475863.30
      3746556.38        0.08401  (10082818)
      475594.25   3746890.12        0.08444  (14072723)                 476146.43
      3746600.47        0.11500  (14113016)
      476082.93   3746873.86        0.06101  (14113016)                 475609.08
      3746999.92        0.05531  (11092818)
      475745.21   3747048.16        0.04852  (11070120)                 475382.02
      3746160.96        0.36837  (10100219)
      475411.04   3746003.05        0.43463  (16081820)                 474409.00
      3746437.28        0.25051  (15091322)
      476290.36   3746244.91        0.14188  (14113016)                 476339.29
      3746119.15        0.19581  (15050818)
      476311.38   3746179.40        0.16095  (16082607)                 476277.82
      3746288.18        0.14746  (14113016)
      476333.63   3746432.95        0.10382  (14113016)                 476384.17
      3745949.30        0.29216  (14041207)
      476360.32   3745999.45        0.26001  (14041207)                 476412.89
      3745836.48        0.35833  (16090507)
      476404.80   3745918.57        0.29939  (14041207)                 476434.06
      3745820.87        0.34317  (16090507)
      476454.86   3745720.49        0.32615  (16040918)                 475797.42
      3744976.75        0.42041  (15090720)
      476060.39   3744909.25        0.20814  (14091420)                 475777.26
      3744882.37        0.41177  (11080220)
      475781.93   3744832.11        0.38075  (11080220)                 475779.60
      3744791.20        0.35792  (11080220)
      475786.02   3744729.84        0.32671  (11070223)                 475774.63
      3744924.73        0.43130  (15090720)
      475782.23   3744693.90        0.31023  (11070223)                 475768.20
      3744638.68        0.30597  (11070223)
      475787.19   3744589.00        0.27470  (10082521)                 475706.26
      3744502.22        0.25508  (11070223)
      475780.18   3744427.13        0.24050  (10082521)                 475764.11
      3744390.61        0.23808  (10082521)
      477060.85   3744371.76        0.06371  (16050618)                 476803.53
      3745166.88        0.12190  (11091107)
      477112.67   3745114.97        0.07162  (15111718)                 477464.43
      3745086.80        0.04868  (15012407)
      477531.57   3745005.51        0.04558  (15111718)                 475715.48
      3746455.63        0.13871  (14072723)
      475791.98   3746459.29        0.11098  (16123116)                 475771.33
      3746506.69        0.10315  (16123116)
      475775.18   3746458.34        0.11147  (16123116)                 475750.42
      3746454.29        0.11033  (16123116)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***       09:48:53

                      PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION   VALUES FOR
                              SOURCE GROUP:  B17      ***
                                  INCLUDING SOURCE(S):     B17_1       , B17_2       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
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476395.71 3744607.81 0.01511 (14090307) 476314.71
3744669.61 0.01597 (10071320)
476332.85 3744655.27 0.01567 (10071320) 476365.97
3744513.73 0.01388 (10071320)
476245.90 3744942.48 0.02092 (10071320) 476289.52
3745000.38 0.02287 (14090307)
476288.55 3745361.57 0.03929 (14090307) 475880.74
3745148.55 0.04239 (14091520)
475796.73 3745058.23 0.06128 (15062523) 475750.05
3745108.89 0.06766 (10082521)
475798.54 3745194.08 0.06842 (10082521) 475752.37
3745335.13 0.08639 (11070223)
475776.90 3745405.80 0.09626 (11070223) 475731.82
3745293.23 0.08629 (11070223)
475784.75 3745574.23 0.07479 (14110618) 475709.78
3745574.77 0.11386 (15090720)
475708.88 3745598.80 0.11905 (15090720) 475709.42
3745621.76 0.12152 (15090720)
475709.42 3745647.05 0.12433 (15090720) 475709.06
3745668.21 0.12911 (15090823)
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3745717.00 0.14426 (15090823)
475709.06 3745739.77 0.14918 (11090705) 475777.75
3745697.27 0.09440 (14091606)
475785.29 3745721.66 0.09913 (14091606) 475794.25
3745802.05 0.12293 (15051418)
475778.85 3745842.00 0.13254 (15051418) 475800.05
3745888.80 0.15561 (15051418)
475789.98 3745940.18 0.16879 (15051418) 475892.19
3745936.40 0.18806 (15051418)
475893.32 3746111.50 0.56333 (11010316) 476130.12
3746085.01 0.43825 (10020417)
476129.71 3745935.03 0.18401 (14090307) 475595.68
3746575.78 0.18546 (15082119)
475911.01 3746495.74 0.28859 (16010516) 475863.30
3746556.38 0.22151 (16010516)
475594.25 3746890.12 0.10497 (10092818) 476146.43
3746600.47 0.19676 (14113016)
476082.93 3746873.86 0.10282 (14113016) 475609.08
3746999.92 0.05789 (11050420)
475745.21 3747048.16 0.04529 (16123116) 475382.02
3746160.96 0.22728 (11082922)
475411.04 3746003.05 0.20656 (14032020) 474409.00
3746437.28 0.10221 (16102119)
476290.36 3746244.91 0.36183 (16082707) 476339.29
3746119.15 0.24533 (11091107)
476311.38 3746179.40 0.28796 (11091107) 476277.82
3746288.18 0.35097 (14022617)
476333.63 3746432.95 0.21479 (16040918) 476384.17
3745949.30 0.17182 (16050618)
476360.32 3745999.45 0.19731 (16050618) 476412.89
3745836.48 0.12104 (16050618)
476404.80 3745918.57 0.15433 (16050618) 476434.06
3745820.87 0.11407 (16050618)
476454.86 3745720.49 0.08099 (10020417) 475797.42
3744976.75 0.06345 (15062523)
476060.39 3744909.25 0.03149 (14091420) 475777.26
3744882.37 0.06203 (15062523)
475781.93 3744832.11 0.05895 (14082721) 475779.60
3744791.20 0.05709 (14082721)
475786.02 3744729.84 0.05404 (14082721) 475774.63
3744924.73 0.06362 (15062523)
475782.23 3744693.90 0.05240 (14082721) 475768.20
3744638.68 0.05313 (14082721)
475787.19 3744589.00 0.04859 (16100819) 475706.26
3744502.22 0.04809 (15062523)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B18 ***
INCLUDING SOURCE(S): B18_1 , B18_2 , B18_3 , B18_4 , B18_5 ,
B18_6 , B18_7 , B18_8 , B18_9 , B18_10 ,
B18_11 , B18_12 , B18_13 ,
B18_14 , B18_15 , B18_16 , B18_17 , B18_18 ,
B18_19 , B18_20 , B18_21 ,
B18_22 , B18_23 , B18_24 , B18_25 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.01715	(14072920)	476314.71	3744669.61	0.01845	(14082820)
476332.85	3744655.27	0.01816	(14082820)	476365.97	3744513.73	0.01623	(11081720)
476245.90	3744942.48	0.02370	(14082820)	476289.52	3745000.38	0.02453	(15082420)
476288.55	3745361.57	0.04060	(10083118)	475880.74	3745148.55	0.03290	(11062720)
475796.73	3745058.23	0.03069	(11090621)	475750.05	3745108.89	0.03266	(11090621)
475798.54	3745194.08	0.03611	(16010916)	475752.37	3745335.13	0.04436	(11090621)
475776.90	3745405.80	0.05326	(16010916)	475731.82	3745293.23	0.05160	(14091420)
475784.75	3745574.23	0.07665	(16010916)	475709.78	3745574.77	0.06597	(16010916)
475708.88	3745598.80	0.06999	(16010916)	475709.42	3745621.76	0.07457	(16010916)
475709.42	3745647.05	0.07991	(16010916)	475709.06	3745668.21	0.08489	(14083118)
475709.96	3745693.68	0.09217	(14083118)	475709.42	3745717.00	0.09910	(14083118)
475709.06	3745739.77	0.10668	(14083118)	475777.75	3745697.27	0.10597	(16010916)
475785.29	3745721.66	0.11256	(16010916)	475794.25	3745802.05	0.15298	(14090307)
475778.85	3745842.00	0.17406	(14090307)	475800.05			

3745888.80 0.23686 (14090307)
475789.98 3745940.18 0.30456 (14090307) 475892.19
3745936.40 0.24811 (14021817)
475893.32 3746111.50 0.60875 (16050618) 476130.12
3746085.01 0.17494 (11091107)
476129.71 3745935.03 0.17410 (16050618) 475595.68
3746575.78 0.62889 (16010516)
475911.01 3746495.74 0.47012 (14041207) 475863.30
3746556.38 0.44394 (14041207)
475594.25 3746890.12 0.12495 (16123116) 476146.43
3746600.47 0.13556 (16090507)
476082.93 3746873.86 0.09173 (14041207) 475609.08
3746999.92 0.08416 (10082818)
475745.21 3747048.16 0.09095 (14113016) 475382.02
3746160.96 0.35468 (15101319)
475411.04 3746003.05 0.31762 (10100118) 474409.00
3746437.28 0.13206 (16102119)
476290.36 3746244.91 0.09532 (16082707) 476339.29
3746119.15 0.07462 (16082707)
476311.38 3746179.40 0.09086 (16082707) 476277.82
3746288.18 0.09081 (14022617)
476333.63 3746432.95 0.07435 (10020717) 476384.17
3745949.30 0.07205 (11091107)
476360.32 3745999.45 0.07621 (11091107) 476412.89
3745836.48 0.06382 (16050618)
476404.80 3745918.57 0.06796 (11091107) 476434.06
3745820.87 0.06069 (16050618)
476454.86 3745720.49 0.06682 (16050618) 475797.42
3744976.75 0.03707 (11101218)
476060.39 3744909.25 0.02706 (14090307) 475777.26
3744882.37 0.03942 (14091420)
475781.93 3744832.11 0.03643 (14091420) 475779.60
3744791.20 0.03607 (14091420)
475786.02 3744729.84 0.03399 (14091420) 475774.63
3744924.73 0.03984 (14091420)
475782.23 3744693.90 0.03300 (14091420) 475768.20
3744638.68 0.04799 (10082320)
475787.19 3744589.00 0.03442 (11091819) 475706.26
3744502.22 0.04322 (14091120)
475780.18 3744427.13 0.04060 (10082320) 475764.11
3744390.61 0.04194 (10082320)
477060.85 3744371.76 0.01179 (15062120) 476803.53
3745166.88 0.02776 (16050618)
477112.67 3745114.97 0.02211 (16050618) 477464.43
3745086.80 0.01366 (11091107)
477531.57 3745005.51 0.01261 (11091107) 475715.48
3746455.63 1.32063 (14041207)
475791.98 3746459.29 1.33995 (14041207) 475771.33
3746506.69 0.76659 (14113016)
475775.18 3746458.34 1.39143 (14041207) 475750.42
3746454.29 1.44127 (14041207)

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops. *** 01/18/23
*** AERMET - VERSION 16216 ***
*** *** 09:48:53

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): B13_1 , B13_2 ,
B14_1 , B14_2 , B14_3 ,
B14_4 , B14_5 , B14_6 , B17_1 , B17_2 ,
B18_1 , B18_2 , B18_3 ,
B18_4 , B18_5 , B18_6 , B18_7 , B18_8 ,

B18_9 , B18_10 , B18_11 ,
B18_12 , B18_13 , B18_14 , B18_15 , B18_16 ,
B18_17 , B18_18 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.21902	(14021817)	476314.71	3744669.61	0.26421	(14021817)
476332.85	3744655.27	0.25406	(14021817)	476365.97	3744513.73	0.18724	(14090307)
476245.90	3744942.48	0.65300	(10020417)	476289.52	3745000.38	0.63286	(11091107)
476288.55	3745361.57	1.11406	(11091107)	475880.74	3745148.55	0.65533	(15090820)
475796.73	3745058.23	0.55701	(15090823)	475750.05	3745108.89	0.56733	(15090820)
475798.54	3745194.08	0.68904	(15090820)	475752.37	3745335.13	1.41511	(11010316)
475776.90	3745405.80	1.55877	(11010316)	475731.82	3745293.23	1.12234	(11010316)
475784.75	3745574.23	2.00776	(14090218)	475709.78	3745574.77	1.08872	(11070820)
475708.88	3745598.80	1.07587	(14090218)	475709.42	3745621.76	1.15035	(14090218)
475709.42	3745647.05	1.17374	(14090218)	475709.06	3745668.21	1.14233	(14090218)
475709.96	3745693.68	1.06335	(14090218)	475709.42	3745717.00	0.95713	(14090218)
475709.06	3745739.77	0.85689	(15092419)	475777.75	3745697.27	1.18625	(14090218)
475785.29	3745721.66	1.03093	(16010516)	475794.25	3745802.05	0.75458	(16010516)
475778.85	3745842.00	0.64792	(16010516)	475800.05	3745888.80	0.52516	(16010516)
475789.98	3745940.18	0.49138	(15101507)	475892.19	3745936.40	0.51158	(15101507)
475893.32	3746111.50	0.80696	(15101507)	476130.12	3746085.01	0.61879	(11091107)
476129.71	3745935.03	0.54413	(14113016)	475595.68	3746575.78	0.73011	(16010516)
475911.01	3746495.74	0.58784	(14041207)	475863.30	3746556.38	0.48661	(14041207)
475594.25	3746890.12	0.24242	(14072723)	476146.43	3746600.47	0.33333	(14113016)
476082.93	3746873.86	0.19151	(14113016)	475609.08	3746999.92	0.16789	(16123116)
475745.21	3747048.16	0.14950	(11070120)	475382.02	3746160.96	0.58465	(16062321)
475411.04	3746003.05	0.56688	(16081820)	474409.00	3746437.28	0.30497	(11082920)
476290.36	3746244.91	0.45999	(16082707)	476339.29	3746119.15	0.32695	(11091107)
476311.38	3746179.40	0.37348	(16082707)	476277.82	3746288.18	0.44391	(14022617)
476333.63	3746432.95	0.26097	(14041207)	476384.17	3745949.30	0.34197	(14041207)
476360.32	3745999.45	0.30504	(14041207)	476412.89	3745836.48	0.39940	(14041207)
476404.80	3745918.57	0.35453	(14041207)	476434.06			

3745820.87 0.37788 (14041207)
476454.86 3745720.49 0.34911 (16040918) 475797.42
3744976.75 0.54677 (15090823)
476060.39 3744909.25 0.67962 (14111116) 475777.26
3744882.37 0.53401 (15090720)
475781.93 3744832.11 0.51012 (11080220) 475779.60
3744791.20 0.49457 (11080220)
475786.02 3744729.84 0.47809 (11080220) 475774.63
3744924.73 0.55151 (15090720)
475782.23 3744693.90 0.46288 (11080220) 475768.20
3744638.68 0.45626 (11080220)
475787.19 3744589.00 0.42773 (11070223) 475706.26
3744502.22 0.38844 (11080220)
475780.18 3744427.13 0.39485 (10082521) 475764.11
3744390.61 0.38717 (10082521)
477060.85 3744371.76 0.10990 (16050618) 476803.53
3745166.88 0.16087 (11091107)
477112.67 3745114.97 0.10200 (15111718) 477464.43
3745086.80 0.07286 (15012407)
477531.57 3745005.51 0.06951 (15111718) 475715.48
3746455.63 1.35403 (14041207)
475791.98 3746459.29 1.38971 (14041207) 475771.33
3746506.69 0.78579 (14113016)
475775.18 3746458.34 1.43700 (14041207) 475750.42
3746454.29 1.48211 (14041207)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
B13	1ST HIGH VALUE IS 0.52660	ON 11091107:	AT (476289.52, 3745000.38, 463.00, 463.00, 2.00)	DC	
B14	1ST HIGH VALUE IS 1.96392	ON 16010616:	AT (475784.75, 3745574.23, 467.84, 467.84, 2.00)	DC	
B17	1ST HIGH VALUE IS 0.56333	ON 11010316:	AT (475893.32, 3746111.50, 465.00, 465.00, 2.00)	DC	
B18	1ST HIGH VALUE IS 1.44127	ON 14041207:	AT (475750.42, 3746454.29, 466.99, 466.99, 2.00)	DC	
ALL	1ST HIGH VALUE IS 2.00776	ON 14090218:	AT (475784.75, 3745574.23, 467.84, 467.84, 2.00)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

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

ME W186	139	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used		0.50
ME W187	139	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET		
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		2 year gap

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

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**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops PM2_5\13697 Ops PM2_5.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Ops PM2_5.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
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   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.0001049562     5.000    44.819     1.400
   SRCPARAM B13_2        0.0001049562     5.000    44.819     1.400
   SRCPARAM B14_1        0.000061235     5.000    27.337     1.400
   SRCPARAM B14_2        0.000061235     5.000    27.337     1.400
   SRCPARAM B14_3        0.000061235     5.000    27.337     1.400
   SRCPARAM B14_4        0.000061235     5.000    27.337     1.400
   SRCPARAM B14_5        0.000061235     5.000    27.337     1.400
   SRCPARAM B14_6        0.000061235     5.000    27.337     1.400
   SRCPARAM B17_1        0.0001049562     5.000    44.726     1.400
   SRCPARAM B17_2        0.0001049562     5.000    44.726     1.400
   SRCPARAM B18_1        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_2        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_3        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_4        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_5        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_6        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_7        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_8        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_9        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_10       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_11       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_12       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_13       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_14       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_15       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_16       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_17       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_18       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_19       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_20       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_21       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_22       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_23       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_24       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_25       0.0000104956     5.000    12.365     1.400
   URBANSRC ALL
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Ops PM2_5.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
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   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
   PLOTFILE 24 ALL 1ST "13697 OPS PM2_5.AD\24H_ALL.PLT" 31
   PLOTFILE 24 B13 1ST "13697 OPS PM2_5.AD\24H_B13.PLT" 32
   PLOTFILE 24 B14 1ST "13697 OPS PM2_5.AD\24H_B14.PLT" 33
   PLOTFILE 24 B17 1ST "13697 OPS PM2_5.AD\24H_B17.PLT" 34
   PLOTFILE 24 B18 1ST "13697 OPS PM2_5.AD\24H_B18.PLT" 35
   SUMMFILE "13697 Ops PM2_5.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops PM2_5\13697 Ops PM2_5.ADI
**
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**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Ops PM2_5.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
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   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.0001049562     5.000    44.819     1.400
   SRCPARAM B13_2        0.0001049562     5.000    44.819     1.400
   SRCPARAM B14_1        0.000061235     5.000    27.337     1.400
   SRCPARAM B14_2        0.000061235     5.000    27.337     1.400
   SRCPARAM B14_3        0.000061235     5.000    27.337     1.400
   SRCPARAM B14_4        0.000061235     5.000    27.337     1.400
   SRCPARAM B14_5        0.000061235     5.000    27.337     1.400
   SRCPARAM B14_6        0.000061235     5.000    27.337     1.400
   SRCPARAM B17_1        0.0001049562     5.000    44.726     1.400
   SRCPARAM B17_2        0.0001049562     5.000    44.726     1.400
   SRCPARAM B18_1        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_2        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_3        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_4        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_5        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_6        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_7        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_8        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_9        0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_10       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_11       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_12       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_13       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_14       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_15       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_16       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_17       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_18       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_19       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_20       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_21       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_22       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_23       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_24       0.0000104956     5.000    12.365     1.400
   SRCPARAM B18_25       0.0000104956     5.000    12.365     1.400
   URBANSRC ALL
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "13697 Ops PM2_5.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
```

```
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
   PLOTFILE 24 ALL 1ST "13697 OPS PM2_5.AD\24H_ALL.PLT" 31
   PLOTFILE 24 B13 1ST "13697 OPS PM2_5.AD\24H_B13.PLT" 32
   PLOTFILE 24 B14 1ST "13697 OPS PM2_5.AD\24H_B14.PLT" 33
   PLOTFILE 24 B17 1ST "13697 OPS PM2_5.AD\24H_B17.PLT" 34
   PLOTFILE 24 B18 1ST "13697 OPS PM2_5.AD\24H_B18.PLT" 35
   SUMMFILE "13697 Ops PM2_5.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186     139       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     139       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:45:20

                      PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - -

 ** 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    35 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
     * CCVR_Sub - Meteorological data includes CCVR substitutions
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Accepts FLAGPOLE Receptor . Heights.
     * The User Specified a Pollutant Type of: PM_2.5

 **Model Calculates  1 Short Term Average(s) of:  24-HR

 **This Run Includes:     35 Source(s);       5 Source Group(s); and      78 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     35 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   442.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                Emission Units = GRAMS/SEC                              ;  Emission Rate
                Unit Factor =   0.10000E+07
                Output Units   = MICROGRAMS/M**3

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

 **Input Runstream File:
 aermod.inp
 **Output Print File:
 aermod.out

 **Detailed Error/Message File:   13697 Ops
 PM2_5.err
 **File for Summary of Results:   13697 Ops
 PM2_5.sum
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       10:45:20
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
B13_1	0 YES	0.10496E-03	476101.1	3745262.2	464.0	5.00	44.82	1.40
B13_2	0 YES	0.10496E-03	476102.0	3745072.0	465.9	5.00	44.82	1.40
B14_1	0 YES	0.61235E-04	475881.8	3745554.6	466.0	5.00	27.34	1.40
B14_2	0 YES	0.61235E-04	475881.2	3745437.3	468.2	5.00	27.34	1.40
B14_3	0 YES	0.61235E-04	475999.6	3745554.0	464.7	5.00	27.34	1.40
B14_4	0 YES	0.61235E-04	476000.0	3745437.7	465.7	5.00	27.34	1.40
B14_5	0 YES	0.61235E-04	476071.8	3745548.2	464.0	5.00	27.34	1.40
B14_6	0 YES	0.61235E-04	476118.4	3745439.0	463.0	5.00	27.34	1.40
B17_1	0 YES	0.10496E-03	475926.0	3746256.1	465.0	5.00	44.73	1.40
B17_2	0 YES	0.10496E-03	476070.8	3746258.4	463.0	5.00	44.73	1.40
B18_1	0 YES	0.10496E-04	475632.5	3746502.6	469.1	5.00	12.37	1.40
B18_2	0 YES	0.10496E-04	475633.4	3746447.8	469.9	5.00	12.37	1.40
B18_3	0 YES	0.10496E-04	475638.8	3746403.3	469.7	5.00	12.37	1.40
B18_4	0 YES	0.10496E-04	475681.1	3746405.0	469.0	5.00	12.37	1.40
B18_5	0 YES	0.10496E-04	475727.7	3746410.8	467.7	5.00	12.37	1.40
B18_6	0 YES	0.10496E-04	475775.0	3746409.1	466.4	5.00	12.37	1.40
B18_7	0 YES	0.10496E-04	475640.0	3746350.6	469.9	5.00	12.37	1.40
B18_8	0 YES	0.10496E-04	475690.3	3746353.5	469.0	5.00	12.37	1.40
B18_9	0 YES	0.10496E-04	475774.6	3746355.1	467.2	5.00	12.37	1.40
B18_10	0 YES	0.10496E-04	475731.0	3746357.2	468.0	5.00	12.37	1.40
B18_11	0 YES	0.10496E-04	475639.2	3746296.6	469.7	5.00	12.37	1.40
B18_12	0 YES	0.10496E-04	475689.9	3746300.7	469.0	5.00	12.37	1.40
B18_13	0 YES	0.10496E-04	475740.5	3746303.6	468.0	5.00	12.37	1.40
B18_14	0 YES	0.10496E-04	475774.6	3746301.6	467.2	5.00	12.37	1.40
B18_15	0 YES	0.10496E-04	475637.5	3746242.6	469.8	5.00	12.37	1.40
B18_16	0	0.10496E-04	475683.6	3746246.3	469.1	5.00	12.37	1.40

```
 YES
 B18_17          0   0.10496E-04  475729.3 3746245.5   468.0     5.00    12.37     1.40
 YES
 B18_18          0   0.10496E-04  475774.2 3746248.0   467.2     5.00    12.37     1.40
 YES
 B18_19          0   0.10496E-04  475635.9 3746187.3   469.3     5.00    12.37     1.40
 YES
 B18_20          0   0.10496E-04  475689.0 3746191.9   469.0     5.00    12.37     1.40
 YES
 B18_21          0   0.10496E-04  475740.1 3746192.3   467.7     5.00    12.37     1.40
 YES
 B18_22          0   0.10496E-04  475775.0 3746192.7   467.1     5.00    12.37     1.40
 YES
 B18_23          0   0.10496E-04  475689.5 3746183.6   469.0     5.00    12.37     1.40
 YES
 B18_24          0   0.10496E-04  475743.5 3746185.2   467.4     5.00    12.37     1.40
 YES
 B18_25          0   0.10496E-04  475771.3 3746185.7   467.1     5.00    12.37     1.40
 YES
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                ***       10:45:20

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  B13        B13_1       , B13_2       ,

  B14        B14_1       , B14_2       , B14_3       , B14_4       , B14_5       , B14_6       ,

  B17        B17_1       , B17_2       ,

  B18        B18_1       , B18_2       , B18_3       , B18_4       , B18_5       , B18_6       ,
  B18_7       , B18_8       ,

             B18_9       , B18_10      , B18_11      , B18_12      , B18_13      , B18_14      ,
             B18_15      , B16_16      ,

             B18_17      , B18_18      , B18_19      , B18_20      , B18_21      , B18_22      ,
             B18_23      , B18_24      ,

             B18_25      ,

  ALL        B13_1       , B13_2       , B14_1       , B14_2       , B14_3       , B14_4       ,
  B14_5       , B14_6       ,

             B17_1       , B17_2       , B18_1       , B18_2       , B18_3       , B18_4       ,
             B18_5       , B18_6       ,

             B18_7       , B18_8       , B18_9       , B18_10      , B18_11      , B18_12      ,
             B18_13      , B18_14      ,

             B18_15      , B18_16      , B18_17      , B18_18      , B18_19      , B18_20      ,
             B18_21      , B18_22      ,

             B18_23      , B18_24      , B18_25      ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
```

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	B13_1 , B13_2 , B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,
		B17_1 , B17_2 , B18_1 , B18_2 , B18_3 , B18_4 , B18_5 , B18_6 ,
		B18_7 , B18_8 , B18_9 , B18_10 , B18_11 , B18_12 , B18_13 , B18_14 ,
		B18_15 , B18_16 , B18_17 , B18_18 , B18_19 , B18_20 , B18_21 , B18_22 ,
		B18_23 , B18_24 , B18_25 ,

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

(476395.7, 3744607.8, 462.5, 462.5, 2.0); (476314.7, 3744669.6, 463.2, 463.2, 2.0);
(476332.8, 3744655.3, 463.0, 463.0, 2.0); (476366.0, 3744513.7, 463.2, 463.2, 2.0);
(476245.9, 3744942.5, 463.5, 463.5, 2.0); (476289.5, 3745000.4, 463.0, 463.0, 2.0);
(476288.5, 3745361.6, 461.2, 461.2, 2.0); (475880.7, 3745148.5, 468.0, 468.0, 2.0);
(475796.7, 3745058.2, 469.6, 469.6, 2.0); (475750.0, 3745108.9, 470.0, 470.0, 2.0);
(475798.5, 3745194.1, 469.1, 469.1, 2.0); (475752.4, 3745335.1, 469.9, 469.9, 2.0);
(475776.9, 3745405.8, 470.0, 470.0, 2.0); (475731.8, 3745293.2, 470.6, 470.6, 2.0);
(475784.8, 3745574.2, 467.8, 467.8, 2.0); (475709.8, 3745574.8, 469.3, 469.3, 2.0);
(475708.9, 3745598.8, 469.4, 469.4, 2.0); (475709.4, 3745621.8, 469.2, 469.2, 2.0);
(475709.4, 3745647.0, 469.0, 469.0, 2.0); (475709.1, 3745668.2, 469.0, 469.0, 2.0);
(475710.0, 3745693.7, 469.3, 469.3, 2.0); (475709.4, 3745717.0, 469.4, 469.4, 2.0);
(475709.1, 3745739.8, 469.4, 469.4, 2.0); (475777.8, 3745697.3, 468.0, 468.0, 2.0);
(475785.3, 3745721.7, 467.8, 467.8, 2.0); (475794.2, 3745802.0, 467.5, 467.5, 2.0);
(475778.8, 3745842.0, 468.0, 468.0, 2.0); (475800.0, 3745888.8,

```
     467.3,      467.3,         2.0);
     ( 475790.0, 3745940.2,      467.0,      467.0,       2.0);         ( 475892.2, 3745936.4,
     465.2,      465.2,         2.0);
     ( 475893.3, 3746111.5,      465.0,      465.0,       2.0);         ( 476130.1, 3746085.0,
     462.0,      462.0,         2.0);
     ( 476129.7, 3745935.0,      462.0,      462.0,       2.0);         ( 475595.7, 3746575.8,
     469.1,      469.1,         2.0);
     ( 475911.0, 3746495.7,      464.0,      464.0,       2.0);         ( 475863.3, 3746556.4,
     464.5,      464.5,         2.0);
     ( 475594.2, 3746890.1,      468.4,      468.4,       2.0);         ( 476146.4, 3746600.5,
     460.7,      460.7,         2.0);
     ( 476082.9, 3746873.9,      459.9,      459.9,       2.0);         ( 475609.1, 3746999.9,
     467.0,      467.0,         2.0);
     ( 475745.2, 3747048.2,      464.2,      464.2,       2.0);         ( 475382.0, 3746161.0,
     476.1,      476.1,         2.0);
     ( 475411.0, 3746003.0,      475.3,      475.3,       2.0);         ( 474409.0, 3746437.3,
     518.9,      524.0,         2.0);
     ( 476290.4, 3746244.9,      460.0,      460.0,       2.0);         ( 476339.3, 3746119.1,
     460.0,      460.0,         2.0);
     ( 476311.4, 3746179.4,      460.0,      460.0,       2.0);         ( 476277.8, 3746288.2,
     460.0,      460.0,         2.0);
     ( 476333.6, 3746432.9,      459.0,      459.0,       2.0);         ( 476384.2, 3745949.3,
     460.0,      460.0,         2.0);
     ( 476360.3, 3745999.4,      460.0,      460.0,       2.0);         ( 476412.9, 3745836.5,
     460.0,      460.0,         2.0);
     ( 476404.8, 3745918.6,      460.0,      460.0,       2.0);         ( 476434.1, 3745820.9,
     460.0,      460.0,         2.0);
     ( 476454.9, 3745720.5,      459.0,      459.0,       2.0);         ( 475797.4, 3744976.8,
     471.0,      471.0,         2.0);
     ( 476060.4, 3744909.2,      466.7,      466.7,       2.0);         ( 475777.3, 3744882.4,
     472.0,      472.0,         2.0);
     ( 475781.9, 3744832.1,      471.9,      471.9,       2.0);         ( 475779.6, 3744791.2,
     472.0,      472.0,         2.0);
     ( 475786.0, 3744729.8,      472.0,      472.0,       2.0);         ( 475774.6, 3744924.7,
     471.8,      471.8,         2.0);
     ( 475782.2, 3744693.9,      472.0,      472.0,       2.0);         ( 475768.2, 3744638.7,
     473.0,      473.0,         2.0);
     ( 475787.2, 3744589.0,      472.1,      472.1,       2.0);         ( 475706.3, 3744502.2,
     473.1,      473.1,         2.0);
     ( 475780.2, 3744427.1,      473.0,      473.0,       2.0);         ( 475764.1, 3744390.6,
     473.5,      473.5,         2.0);
     ( 477060.8, 3744371.8,      455.0,      455.0,       2.0);         ( 476803.5, 3745166.9,
     456.0,      456.0,         2.0);
     ( 477112.7, 3745115.0,      453.6,      453.6,       2.0);         ( 477464.4, 3745086.8,
     450.0,      450.0,         2.0);
     ( 477531.6, 3745005.5,      450.0,      450.0,       2.0);         ( 475715.5, 3746455.6,
     468.1,      468.1,         2.0);
     ( 475792.0, 3746459.3,      466.3,      466.3,       2.0);         ( 475771.3, 3746506.7,
     466.3,      466.3,         2.0);
     ( 475775.2, 3746458.3,      466.7,      466.7,       2.0);         ( 475750.4, 3746454.3,
     467.0,      467.0,         2.0);
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        10:45:20

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

              1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
              1   1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
              1   1 1 1 1 1 1 1 1 1
```

```
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1  1 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,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***       10:45:20

                      PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

   Surface file:
   PERI_V9_ADJU\PERI_v9.SFC                                                                Met
   Version:  16216
   Profile file:
   PERI_V9_ADJU\PERI_v9.PFL
   Surface format:
   FREE

   Profile format:
   FREE

   Surface station no.:     3171                   Upper air station no.:     3190
                  Name: UNKNOWN                                     Name:
                  UNKNOWN
                  Year:   2010                                      Year:   2010

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS
 WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - -
 10 01 01   1 01   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 335.    9.1  282.5    5.5
 10 01 01   1 02   -3.9  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 142.    9.1  280.9    5.5
 10 01 01   1 03   -3.9  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 324.    9.1  280.4    5.5
 10 01 01   1 04   -1.3  0.064 -9.000 -9.000 -999.   39.     18.3  0.19   0.61   1.00    0.40
 294.    9.1  278.8    5.5
 10 01 01   1 05   -3.9  0.088 -9.000 -9.000 -999.   62.     15.0  0.19   0.61   1.00    0.90
 205.    9.1  278.1    5.5
 10 01 01   1 06   -1.3  0.065 -9.000 -9.000 -999.   39.     18.3  0.19   0.61   1.00    0.40
 3.    9.1  277.0    5.5
 10 01 01   1 07   -8.0  0.125 -9.000 -9.000 -999.  106.     21.0  0.19   0.61   1.00    1.30
```

```
 99.    9.1  277.0    5.5
 10 01 01   1 08   -3.3  0.086 -9.000 -9.000 -999.   61.     16.8  0.19   0.61   0.54    0.90
 319.    9.1  278.8    5.5
 10 01 01   1 09   20.1  0.128  0.307  0.010   49.  110.     -9.0  0.19   0.61   0.33    0.90
 239.    9.1  284.2    5.5
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
 188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
 310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
 357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
 356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
 50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
 53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
 11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
 351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
 181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
 318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        10:45:20

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

                            *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR
                            SOURCE GROUP:  B13      ***
                                INCLUDING SOURCE(S):     B13_1       , B13_2       ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                    ** CONC OF PM_2.5   IN
                                    MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)        CONC     (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
       476395.71   3744607.81        0.00131b (10102124)               476314.71
       3744669.61        0.00171b (10102124)
```

476332.85 3744655.27 0.00161b (10102124) 476365.97
3744513.73 0.00108b (10102124)
476245.90 3744942.48 0.00581 (14120124) 476289.52
3745000.38 0.00542b (14111524)
476288.55 3745361.57 0.00493 (15122224) 475880.74
3745148.55 0.00553 (11010224)
475796.73 3745058.23 0.00398 (11010224) 475750.05
3745108.89 0.00336 (11010224)
475798.54 3745194.08 0.00380 (11010224) 475752.37
3745335.13 0.00254 (11121224)
475776.90 3745405.80 0.00275 (11121224) 475731.82
3745293.23 0.00239 (11121224)
475784.75 3745574.23 0.00178m (10121824) 475709.78
3745574.77 0.00169m (10060524)
475708.88 3745598.80 0.00163m (10121824) 475709.42
3745621.76 0.00161m (10121824)
475709.42 3745647.05 0.00158m (10121824) 475709.06
3745668.21 0.00155m (10121824)
475709.96 3745693.68 0.00156m (10121824) 475709.42
3745717.00 0.00153m (10121824)
475709.06 3745739.77 0.00150m (10121824) 475777.75
3745697.27 0.00145m (10121824)
475785.29 3745721.66 0.00143 (14022724) 475794.25
3745802.05 0.00135 (14022724)
475778.85 3745842.00 0.00127 (14022724) 475800.05
3745888.80 0.00120 (14022724)
475789.98 3745940.18 0.00084 (14121224) 475892.19
3745936.40 0.00100b (10121924)
475893.32 3746111.50 0.00075b (10121924) 476130.12
3746085.01 0.00077b (10121924)
476129.71 3745935.03 0.00104b (10121924) 475595.68
3746575.78 0.00070 (15060424)
475911.01 3746495.74 0.00045b (10121924) 475863.30
3746556.38 0.00041b (10121924)
475594.25 3746890.12 0.00040 (15060424) 476146.43
3746600.47 0.00035b (10121924)
476082.93 3746873.86 0.00028b (10121924) 475609.08
3746999.92 0.00023b (10121924)
475745.21 3747048.16 0.00024b (10121924) 475382.02
3746160.96 0.00085m (16123124)
475411.04 3746003.05 0.00095m (16123124) 474409.00
3746437.28 0.00061m (10042324)
476290.36 3746244.91 0.00049 (16112024) 476339.29
3746119.15 0.00062 (16112024)
476311.38 3746179.40 0.00056 (16112024) 476277.82
3746288.18 0.00046 (11111924)
476333.63 3746432.95 0.00038 (16112024) 476384.17
3745949.30 0.00081 (16112024)
476360.32 3745999.45 0.00076 (16112024) 476412.89
3745836.48 0.00092 (16112024)
476404.80 3745918.57 0.00082 (16112024) 476434.06
3745820.87 0.00089 (16112024)
476454.86 3745720.49 0.00105 (15122224) 475797.42
3744976.75 0.00362 (11010224)
476060.39 3744909.25 0.00683 (14010524) 475777.26
3744882.37 0.00254 (14111824)
475781.93 3744832.11 0.00241 (14111824) 475779.60
3744791.20 0.00229 (14122324)
475786.02 3744729.84 0.00210 (14122324) 475774.63
3744924.73 0.00291 (11010224)
475782.23 3744693.90 0.00193 (14122324) 475768.20
3744638.68 0.00167 (14122324)
475787.19 3744589.00 0.00153 (11010124) 475706.26
3744502.22 0.00118 (14122324)
475780.18 3744427.13 0.00123 (11010124) 475764.11
3744390.61 0.00116 (11010124)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B14 ***
INCLUDING SOURCE(S): B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.00107b	(10102124)	476314.71	3744669.61	0.00123	(14063024)
476332.85	3744655.27	0.00118	(14063024)	476365.97	3744513.73	0.00095	(14063024)
476245.90	3744942.48	0.00228b	(10102124)	476289.52	3745000.38	0.00252b	(10102124)
476288.55	3745361.57	0.00686b	(14111524)	475880.74	3745148.55	0.00490	(14122324)
475796.73	3745058.23	0.00367	(11010124)	475750.05	3745108.89	0.00421	(14122324)
475798.54	3745194.08	0.00612	(14122324)	475752.37	3745335.13	0.00895	(11010224)
475776.90	3745405.80	0.01486c	(14120324)	475731.82	3745293.23	0.00692c	(15121824)
475784.75	3745574.23	0.01630c	(14121524)	475709.78	3745574.77	0.00837c	(14121524)
475708.88	3745598.80	0.00792c	(14121524)	475709.42	3745621.76	0.00760	(11121224)
475709.42	3745647.05	0.00707	(11121224)	475709.06	3745668.21	0.00691	(11121224)
475709.96	3745693.68	0.00660	(11121224)	475709.42	3745717.00	0.00620	(11121224)
475709.06	3745739.77	0.00580	(11121224)	475777.75	3745697.27	0.00847	(11121224)
475785.29	3745721.66	0.00775	(11121224)	475794.25	3745802.05	0.00555	(16010524)
475778.85	3745842.00	0.00473	(10012024)	475800.05	3745888.80	0.00423	(14121224)
475789.98	3745940.18	0.00349	(14121224)	475892.19	3745936.40	0.00426b	(10121924)
475893.32	3746111.50	0.00263b	(10121924)	476130.12	3746085.01	0.00229	(11111924)
476129.71	3745935.03	0.00356	(11111924)	475595.68			

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      3746575.78        0.00151  (14022724)
      475911.01   3746495.74        0.00122b (10121924)                 475863.30
      3746556.38        0.00111b (10121924)
      475594.25   3746890.12        0.00090  (15060424)                 476146.43
      3746600.47        0.00082  (11111924)
      476082.93   3746873.86        0.00061  (16032824)                 475609.08
      3746999.92        0.00063b (10121924)
      475745.21   3747048.16        0.00059b (10121924)                 475382.02
      3746160.96        0.00217m (16123124)
      475411.04   3746003.05        0.00271m (10060524)                 474409.00
      3746437.28        0.00078m (14061724)
      476290.36   3746244.91        0.00140  (16112024)                 476339.29
      3746119.15        0.00155  (16112024)
      476311.38   3746179.40        0.00151  (16112024)                 476277.82
      3746288.18        0.00133  (16112024)
      476333.63   3746432.95        0.00101  (16112024)                 476384.17
      3745949.30        0.00208  (15122224)
      476360.32   3745999.45        0.00195  (15122224)                 476412.89
      3745836.48        0.00243c (14121524)
      476404.80   3745918.57        0.00212  (15122224)                 476434.06
      3745820.87        0.00238c (14121524)
      476454.86   3745720.49        0.00268c (14121524)                 475797.42
      3744976.75        0.00312  (11010124)
      476060.39   3744909.25        0.00234  (16122724)                 475777.26
      3744882.37        0.00273  (11010124)
      475781.93   3744832.11        0.00245  (11010124)                 475779.60
      3744791.20        0.00226  (11010124)
      475786.02   3744729.84        0.00200  (11010124)                 475774.63
      3744924.73        0.00296  (11010124)
      475782.23   3744693.90        0.00187  (11010124)                 475768.20
      3744638.68        0.00175  (11010124)
      475787.19   3744589.00        0.00153  (11010124)                 475706.26
      3744502.22        0.00140  (11010124)
      475780.18   3744427.13        0.00122  (11011124)                 475764.11
      3744390.61        0.00118  (11011124)
      477060.85   3744371.76        0.00047  (16011824)                 476803.53
      3745166.88        0.00112m (16031424)
      477112.67   3745114.97        0.00066m (16031424)                 477464.43
      3745086.80        0.00043m (16031424)
      477531.57   3745005.51        0.00039m (16031424)                 475715.48
      3746455.63        0.00150  (15060424)
      475791.98   3746459.29        0.00136b (10121924)                 475771.33
      3746506.69        0.00124b (10121924)
      475775.18   3746458.34        0.00134b (10121924)                 475750.42
      3746454.29        0.00131b (10121924)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        10:45:20

                     PAGE  10
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR
                                SOURCE GROUP:  B17      ***
                                    INCLUDING SOURCE(S):     B17_1       , B17_2       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_2.5   IN
                                          MICROGRAMS/M**3                          **

     X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
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476395.71 3744607.81 0.00026 (16122724) 476314.71
3744669.61 0.00028 (16122724)
476332.85 3744655.27 0.00027 (16122724) 476365.97
3744513.73 0.00024 (16122724)
476245.90 3744942.48 0.00037 (16122724) 476289.52
3745000.38 0.00039 (16122724)
476288.55 3745361.57 0.00065 (14063024) 475880.74
3745148.55 0.00052 (14011524)
475796.73 3745058.23 0.00054 (10073024) 475750.05
3745108.89 0.00058 (11011124)
475798.54 3745194.08 0.00063 (11011124) 475752.37
3745335.13 0.00083 (11010124)
475776.90 3745405.80 0.00095 (11010124) 475731.82
3745293.23 0.00081 (11010124)
475784.75 3745574.23 0.00100 (11010124) 475709.78
3745574.77 0.00120 (11010124)
475708.88 3745598.80 0.00126 (11010124) 475709.42
3745621.76 0.00130 (11010124)
475709.42 3745647.05 0.00135 (11010124) 475709.06
3745668.21 0.00140 (11010124)
475709.96 3745693.68 0.00148 (11010124) 475709.42
3745717.00 0.00155 (11010124)
475709.06 3745739.77 0.00165 (14122324) 475777.75
3745697.27 0.00131 (14122324)
475785.29 3745721.66 0.00141 (14122324) 475794.25
3745802.05 0.00184 (14122324)
475778.85 3745842.00 0.00210 (14122324) 475800.05
3745888.80 0.00252 (14122324)
475789.98 3745940.18 0.00301 (14122324) 475892.19
3745936.40 0.00300 (15011124)
475893.32 3746111.50 0.00943c (15121824) 476130.12
3746085.01 0.00724 (14120124)
476129.71 3745935.03 0.00316 (14120124) 475595.68
3746575.78 0.00206m (10060524)
475911.01 3746495.74 0.00545b (10121924) 475863.30
3746556.38 0.00361 (14121224)
475594.25 3746890.12 0.00140 (14022724) 476146.43
3746600.47 0.00276 (14113024)
476082.93 3746873.86 0.00128 (11111924) 475609.08
3746999.92 0.00088 (14022724)
475745.21 3747048.16 0.00086b (10121924) 475382.02
3746160.96 0.00185 (11010224)
475411.04 3746003.05 0.00178c (14120324) 474409.00
3746437.28 0.00047 (14040424)
476290.36 3746244.91 0.00446c (14121524) 476339.29
3746119.15 0.00288b (14111524)
476311.38 3746179.40 0.00368m (16031424) 476277.82
3746288.18 0.00482c (14121524)
476333.63 3746432.95 0.00264c (14121524) 476384.17
3745949.30 0.00177 (16011824)
476360.32 3745999.45 0.00209b (14111524) 476412.89
3745836.48 0.00133 (16011824)
476404.80 3745918.57 0.00158 (16011824) 476434.06
3745820.87 0.00124 (16011824)
476454.86 3745720.49 0.00098 (16011824) 475797.42
3744976.75 0.00056 (10073024)
476060.39 3744909.25 0.00043 (14011524) 475777.26
3744882.37 0.00054 (10073024)
475781.93 3744832.11 0.00052 (10073024) 475779.60
3744791.20 0.00050 (10073024)
475786.02 3744729.84 0.00048 (10073024) 475774.63
3744924.73 0.00055 (10073024)
475782.23 3744693.90 0.00046 (10073024) 475768.20
3744638.68 0.00046 (10073024)
475787.19 3744589.00 0.00043 (10073024) 475706.26
3744502.22 0.00040 (10073024)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B18 ***
INCLUDING SOURCE(S): B18_1 , B18_2 , B18_3 , B18_4 , B18_5 ,
B18_6 , B18_7 , B18_8 , B18_9 , B18_10 ,
B18_11 , B18_12 , B18_13 ,
B18_14 , B18_15 , B18_16 , B18_17 , B18_18 ,
B18_19 , B18_20 , B18_21 ,
B18_22 , B18_23 , B18_24 , B18_25 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.00029	(14063024)	476314.71	3744669.61	0.00032	(14063024)
476332.85	3744655.27	0.00031	(14063024)	476365.97	3744513.73	0.00028	(14063024)
476245.90	3744942.48	0.00042	(14063024)	476289.52	3745000.38	0.00042b	(10102124)
476288.55	3745361.57	0.00061c	(16050824)	475880.74	3745148.55	0.00058	(16122724)
475796.73	3745058.23	0.00052	(14011524)	475750.05	3745108.89	0.00056	(14011524)
475798.54	3745194.08	0.00061	(14011524)	475752.37	3745335.13	0.00078	(14011524)
475776.90	3745405.80	0.00087	(14011524)	475731.82	3745293.23	0.00081	(14011524)
475784.75	3745574.23	0.00125	(16122724)	475709.78	3745574.77	0.00124	(14011524)
475708.88	3745598.80	0.00131	(14011524)	475709.42	3745621.76	0.00139	(14011524)
475709.42	3745647.05	0.00148	(14011524)	475709.06	3745668.21	0.00156	(14011524)
475709.96	3745693.68	0.00167	(14011524)	475709.42	3745717.00	0.00179	(14011524)
475709.06	3745739.77	0.00191	(14011524)	475777.75	3745697.27	0.00172	(16122724)
475785.29	3745721.66	0.00185	(16122724)	475794.25	3745802.05	0.00238	(16122724)
475778.85	3745842.00	0.00278	(16122724)	475800.05			

3745888.80 0.00326 (16122724)
475789.98 3745940.18 0.00414 (16122724) 475892.19
3745936.40 0.00358b (10102124)
475893.32 3746111.50 0.00719 (16011824) 476130.12
3746085.01 0.00223b (14111524)
476129.71 3745935.03 0.00180 (16011824) 475595.68
3746575.78 0.00863 (14121224)
475911.01 3746495.74 0.00548 (15122224) 475863.30
3746556.38 0.00519 (14121724)
475594.25 3746890.12 0.00220b (10121924) 476146.43
3746600.47 0.00174c (14121524)
476082.93 3746873.86 0.00119 (15122224) 475609.08
3746999.92 0.00167b (10121924)
475745.21 3747048.16 0.00130b (10121924) 475382.02
3746160.96 0.00498 (11010224)
475411.04 3746003.05 0.00345 (14111824) 474409.00
3746437.28 0.00070 (14040424)
476290.36 3746244.91 0.00149m (16031424) 476339.29
3746119.15 0.00125m (16031424)
476311.38 3746179.40 0.00138m (16031424) 476277.82
3746288.18 0.00154m (16031424)
476333.63 3746432.95 0.00126c (14121524) 476384.17
3745949.30 0.00100b (14111524)
476360.32 3745999.45 0.00110m (16031424) 476412.89
3745836.48 0.00087b (14111524)
476404.80 3745918.57 0.00094b (14111524) 476434.06
3745820.87 0.00083b (14111524)
476454.86 3745720.49 0.00073b (14111524) 475797.42
3744976.75 0.00054 (14011524)
476060.39 3744909.25 0.00042 (16122724) 475777.26
3744882.37 0.00053 (16011124)
475781.93 3744832.11 0.00049 (16011124) 475779.60
3744791.20 0.00048 (16011124)
475786.02 3744729.84 0.00045 (16011124) 475774.63
3744924.73 0.00054 (16011124)
475782.23 3744693.90 0.00043 (16011124) 475768.20
3744638.68 0.00057 (16011124)
475787.19 3744589.00 0.00044 (16011124) 475706.26
3744502.22 0.00046 (16011124)
475780.18 3744427.13 0.00047 (16011124) 475764.11
3744390.61 0.00046 (16011124)
477060.85 3744371.76 0.00019c (16050824) 476803.53
3745166.88 0.00032 (16011824)
477112.67 3745114.97 0.00025b (14111524) 477464.43
3745086.80 0.00019b (14111524)
477531.57 3745005.51 0.00017b (14111524) 475715.48
3746455.63 0.02394 (11121924)
475791.98 3746459.29 0.01640 (14113024) 475771.33
3746506.69 0.01136 (11111924)
475775.18 3746458.34 0.01884 (11111924) 475750.42
3746454.29 0.02221 (11111924)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): B13_1 , B13_2 ,
B14_1 , B14_2 , B14_3 ,
B14_4 , B14_5 , B14_6 , B17_1 , B17_2 ,
B18_1 , B18_2 , B18_3 ,
B18_4 , B18_5 , B18_6 , B18_7 , B18_8 ,

B18_9 , B18_10 , B18_11 ,
B18_12 , B18_13 , B18_14 , B18_15 , B18_16 ,
B18_17 , B18_18 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.00287b	(10102124)	476314.71	3744669.61	0.00344b	(10102124)
476332.85	3744655.27	0.00330b	(10102124)	476365.97	3744513.73	0.00250	(14063024)
476245.90	3744942.48	0.00876	(14120124)	476289.52	3745000.38	0.00828b	(14111524)
476288.55	3745361.57	0.01256m	(16031424)	475880.74	3745148.55	0.01106c	(14121524)
475796.73	3745058.23	0.00700c	(10122124)	475750.05	3745108.89	0.00690c	(10122124)
475798.54	3745194.08	0.00926c	(14121524)	475752.37	3745335.13	0.01179	(11010224)
475776.90	3745405.80	0.01787c	(14120324)	475731.82	3745293.23	0.00969	(11010224)
475784.75	3745574.23	0.01981c	(14121524)	475709.78	3745574.77	0.01158c	(14121524)
475708.88	3745598.80	0.01117c	(14121524)	475709.42	3745621.76	0.01080c	(14121524)
475709.42	3745647.05	0.01035c	(14121524)	475709.06	3745668.21	0.01005	(11121224)
475709.96	3745693.68	0.00980	(11121224)	475709.42	3745717.00	0.00946	(11121224)
475709.06	3745739.77	0.00914	(11121224)	475777.75	3745697.27	0.01178	(11121224)
475785.29	3745721.66	0.01116c	(14121524)	475794.25	3745802.05	0.00957c	(14121524)
475778.85	3745842.00	0.00908c	(14121524)	475800.05	3745888.80	0.00930c	(14121524)
475789.98	3745940.18	0.00982c	(14121524)	475892.19	3745936.40	0.01000c	(14121524)
475893.32	3746111.50	0.01834c	(14121524)	476130.12	3746085.01	0.01132m	(16031424)
476129.71	3745935.03	0.00844m	(16031424)	475595.68	3746575.78	0.01149	(14121224)
475911.01	3746495.74	0.01133c	(14121524)	475863.30	3746556.38	0.00926c	(14121524)
475594.25	3746890.12	0.00425b	(10121924)	476146.43	3746600.47	0.00523c	(14121524)
476082.93	3746873.86	0.00307	(11111924)	475609.08	3746999.92	0.00323b	(10121924)
475745.21	3747048.16	0.00298b	(10121924)	475382.02	3746160.96	0.00785c	(14120324)
475411.04	3746003.05	0.00681m	(10060524)	474409.00	3746437.28	0.00206	(14040424)
476290.36	3746244.91	0.00759c	(14121524)	476339.29	3746119.15	0.00612m	(16031424)
476311.38	3746179.40	0.00688m	(16031424)	476277.82	3746288.18	0.00789c	(14121524)
476333.63	3746432.95	0.00508c	(14121524)	476384.17	3745949.30	0.00537m	(16031424)
476360.32	3745999.45	0.00562m	(16031424)	476412.89	3745836.48	0.00531m	(16031424)
476404.80	3745918.57	0.00520m	(16031424)	476434.06			

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
B13	1ST HIGH VALUE IS	0.00683	ON 14010524: AT (476060.39, 3744909.25, 466.65, 466.65, 2.00)	DC	
B14	1ST HIGH VALUE IS	0.01630c	ON 14121524: AT (475784.75, 3745574.23, 467.84, 467.84, 2.00)	DC	
B17	1ST HIGH VALUE IS	0.00943c	ON 15121824: AT (475893.32, 3746111.50, 465.00, 465.00, 2.00)	DC	
B18	1ST HIGH VALUE IS	0.02394	ON 11121924: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC	
ALL	1ST HIGH VALUE IS	0.02830	ON 11121924: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

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

ME W186	139	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used		0.50
ME W187	139	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET		
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		2 year gap

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

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**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops PM10\13697 Ops PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
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CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Ops PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
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   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.0003149947     5.000    44.819     1.400
   SRCPARAM B13_2        0.0003149947     5.000    44.819     1.400
   SRCPARAM B14_1        0.0001486775     5.000    27.337     1.400
   SRCPARAM B14_2        0.0001486775     5.000    27.337     1.400
   SRCPARAM B14_3        0.0001486775     5.000    27.337     1.400
   SRCPARAM B14_4        0.0001486775     5.000    27.337     1.400
   SRCPARAM B14_5        0.0001486775     5.000    27.337     1.400
   SRCPARAM B14_6        0.0001486775     5.000    27.337     1.400
   SRCPARAM B17_1        0.000236876     5.000    44.726     1.400
   SRCPARAM B17_2        0.000236876     5.000    44.726     1.400
   SRCPARAM B18_1        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_2        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_3        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_4        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_5        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_6        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_7        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_8        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_9        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_10       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_11       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_12       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_13       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_14       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_15       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_16       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_17       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_18       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_19       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_20       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_21       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_22       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_23       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_24       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_25       0.0000251996     5.000    12.365     1.400
   URBANSRC ALL
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13697 Ops PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
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   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
   PLOTFILE 24 ALL 1ST "13697 OPS PM10.AD\24H_ALL.PLT" 31
   PLOTFILE 24 B13 1ST "13697 OPS PM10.AD\24H_B13.PLT" 32
   PLOTFILE 24 B14 1ST "13697 OPS PM10.AD\24H_B14.PLT" 33
   PLOTFILE 24 B17 1ST "13697 OPS PM10.AD\24H_B17.PLT" 34
   PLOTFILE 24 B18 1ST "13697 OPS PM10.AD\24H_B18.PLT" 35
   SUMMFILE "13697 Ops PM10.sum"
OU FINISHED
**
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** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 1/18/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops PM10\13697 Ops PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697 Ops\13697 Ops.
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13697 Ops PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION B13_1        VOLUME     476101.130  3745262.196      464.000
   LOCATION B13_2        VOLUME     476101.967  3745071.963      465.860
   LOCATION B14_1        VOLUME     475881.820  3745554.650      466.000
   LOCATION B14_2        VOLUME     475881.197  3745437.314      468.250
   LOCATION B14_3        VOLUME     475999.575  3745554.030      464.680
   LOCATION B14_4        VOLUME     475999.990  3745437.729      465.660
   LOCATION B14_5        VOLUME     476071.847  3745548.215      464.000
   LOCATION B14_6        VOLUME     476118.368  3745438.975      463.000
   LOCATION B17_1        VOLUME     475926.010  3746256.070      465.040
   LOCATION B17_2        VOLUME     476070.776  3746258.355      463.000
   LOCATION B18_1        VOLUME     475632.540  3746502.600      469.110
   LOCATION B18_2        VOLUME     475633.373  3746447.771      469.880
   LOCATION B18_3        VOLUME     475638.773  3746403.325      469.700
   LOCATION B18_4        VOLUME     475681.143  3746404.986      469.000
   LOCATION B18_5        VOLUME     475727.666  3746410.801      467.740
   LOCATION B18_6        VOLUME     475775.020  3746409.140      466.360
   LOCATION B18_7        VOLUME     475640.020  3746350.570      469.940
   LOCATION B18_8        VOLUME     475690.281  3746353.478      468.980
   LOCATION B18_9        VOLUME     475774.605  3746355.140      467.170
   LOCATION B18_10       VOLUME     475730.989  3746357.217      467.990
   LOCATION B18_11       VOLUME     475639.189  3746296.570      469.690
   LOCATION B18_12       VOLUME     475689.866  3746300.724      469.000
   LOCATION B18_13       VOLUME     475740.543  3746303.632      468.000
   LOCATION B18_14       VOLUME     475774.605  3746301.555      467.170
   LOCATION B18_15       VOLUME     475637.527  3746242.570      469.800
   LOCATION B18_16       VOLUME     475683.635  3746246.308      469.070
   LOCATION B18_17       VOLUME     475729.328  3746245.478      468.000
   LOCATION B18_18       VOLUME     475774.189  3746247.970      467.190
   LOCATION B18_19       VOLUME     475635.866  3746187.323      469.300
```

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   LOCATION B18_20       VOLUME     475689.035  3746191.893      469.000
   LOCATION B18_21       VOLUME     475740.128  3746192.308      467.690
   LOCATION B18_22       VOLUME     475775.020  3746192.724      467.090
   LOCATION B18_23       VOLUME     475689.451  3746183.585      469.000
   LOCATION B18_24       VOLUME     475743.451  3746185.247      467.450
   LOCATION B18_25       VOLUME     475771.282  3746185.662      467.090
** Source Parameters **
   SRCPARAM B13_1        0.0003149947     5.000    44.819     1.400
   SRCPARAM B13_2        0.0003149947     5.000    44.819     1.400
   SRCPARAM B14_1        0.0001486775     5.000    27.337     1.400
   SRCPARAM B14_2        0.0001486775     5.000    27.337     1.400
   SRCPARAM B14_3        0.0001486775     5.000    27.337     1.400
   SRCPARAM B14_4        0.0001486775     5.000    27.337     1.400
   SRCPARAM B14_5        0.0001486775     5.000    27.337     1.400
   SRCPARAM B14_6        0.0001486775     5.000    27.337     1.400
   SRCPARAM B17_1        0.000236876     5.000    44.726     1.400
   SRCPARAM B17_2        0.000236876     5.000    44.726     1.400
   SRCPARAM B18_1        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_2        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_3        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_4        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_5        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_6        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_7        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_8        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_9        0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_10       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_11       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_12       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_13       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_14       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_15       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_16       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_17       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_18       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_19       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_20       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_21       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_22       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_23       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_24       0.0000251996     5.000    12.365     1.400
   SRCPARAM B18_25       0.0000251996     5.000    12.365     1.400
   URBANSRC ALL
   SRCGROUP B13      B13_1 B13_2
   SRCGROUP B14      B14_1 B14_2 B14_3 B14_4 B14_5 B14_6
   SRCGROUP B17      B17_1 B17_2
   SRCGROUP B18      B18_1 B18_2 B18_3 B18_4 B18_5 B18_6 B18_7 B18_8 B18_9
   SRCGROUP B18      B18_10 B18_11 B18_12 B18_13 B18_14 B18_15 B18_16 B18_17
   SRCGROUP B18      B18_18 B18_19 B18_20 B18_21 B18_22 B18_23 B18_24 B18_25
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "13697 Ops PM10.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
```

```
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
   PLOTFILE 24 ALL 1ST "13697 OPS PM10.AD\24H_ALL.PLT" 31
   PLOTFILE 24 B13 1ST "13697 OPS PM10.AD\24H_B13.PLT" 32
   PLOTFILE 24 B14 1ST "13697 OPS PM10.AD\24H_B14.PLT" 33
   PLOTFILE 24 B17 1ST "13697 OPS PM10.AD\24H_B17.PLT" 34
   PLOTFILE 24 B18 1ST "13697 OPS PM10.AD\24H_B18.PLT" 35
   SUMMFILE "13697 Ops PM10.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     139       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     139       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:10:16

                      PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - -

 ** 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    35 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
     * CCVR_Sub - Meteorological data includes CCVR substitutions
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Accepts FLAGPOLE Receptor . Heights.
     * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:  24-HR

 **This Run Includes:     35 Source(s);       5 Source Group(s); and      78 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     35 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 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 Highest Short Term Values by Receptor (RECTABLE Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   442.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                Emission Units = GRAMS/SEC                              ;  Emission Rate
                Unit Factor =   0.10000E+07
                Output Units   = MICROGRAMS/M**3

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

 **Input Runstream File:
 aermod.inp
 **Output Print File:
 aermod.out

 **Detailed Error/Message File:   13697 Ops
 PM10.err
 **File for Summary of Results:   13697 Ops
 PM10.sum
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:10:16
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
B13_1	0 YES	0.31499E-03	476101.1	3745262.2	464.0	5.00	44.82	1.40
B13_2	0 YES	0.31499E-03	476102.0	3745072.0	465.9	5.00	44.82	1.40
B14_1	0 YES	0.14868E-03	475881.8	3745554.6	466.0	5.00	27.34	1.40
B14_2	0 YES	0.14868E-03	475881.2	3745437.3	468.2	5.00	27.34	1.40
B14_3	0 YES	0.14868E-03	475999.6	3745554.0	464.7	5.00	27.34	1.40
B14_4	0 YES	0.14868E-03	476000.0	3745437.7	465.7	5.00	27.34	1.40
B14_5	0 YES	0.14868E-03	476071.8	3745548.2	464.0	5.00	27.34	1.40
B14_6	0 YES	0.14868E-03	476118.4	3745439.0	463.0	5.00	27.34	1.40
B17_1	0 YES	0.23688E-03	475926.0	3746256.1	465.0	5.00	44.73	1.40
B17_2	0 YES	0.23688E-03	476070.8	3746258.4	463.0	5.00	44.73	1.40
B18_1	0 YES	0.25200E-04	475632.5	3746502.6	469.1	5.00	12.37	1.40
B18_2	0 YES	0.25200E-04	475633.4	3746447.8	469.9	5.00	12.37	1.40
B18_3	0 YES	0.25200E-04	475638.8	3746403.3	469.7	5.00	12.37	1.40
B18_4	0 YES	0.25200E-04	475681.1	3746405.0	469.0	5.00	12.37	1.40
B18_5	0 YES	0.25200E-04	475727.7	3746410.8	467.7	5.00	12.37	1.40
B18_6	0 YES	0.25200E-04	475775.0	3746409.1	466.4	5.00	12.37	1.40
B18_7	0 YES	0.25200E-04	475640.0	3746350.6	469.9	5.00	12.37	1.40
B18_8	0 YES	0.25200E-04	475690.3	3746353.5	469.0	5.00	12.37	1.40
B18_9	0 YES	0.25200E-04	475774.6	3746355.1	467.2	5.00	12.37	1.40
B18_10	0 YES	0.25200E-04	475731.0	3746357.2	468.0	5.00	12.37	1.40
B18_11	0 YES	0.25200E-04	475639.2	3746296.6	469.7	5.00	12.37	1.40
B18_12	0 YES	0.25200E-04	475689.9	3746300.7	469.0	5.00	12.37	1.40
B18_13	0 YES	0.25200E-04	475740.5	3746303.6	468.0	5.00	12.37	1.40
B18_14	0 YES	0.25200E-04	475774.6	3746301.6	467.2	5.00	12.37	1.40
B18_15	0 YES	0.25200E-04	475637.5	3746242.6	469.8	5.00	12.37	1.40
B18_16	0	0.25200E-04	475683.6	3746246.3	469.1	5.00	12.37	1.40

```
 YES
 B18_17          0   0.25200E-04  475729.3 3746245.5   468.0     5.00    12.37     1.40
 YES
 B18_18          0   0.25200E-04  475774.2 3746248.0   467.2     5.00    12.37     1.40
 YES
 B18_19          0   0.25200E-04  475635.9 3746187.3   469.3     5.00    12.37     1.40
 YES
 B18_20          0   0.25200E-04  475689.0 3746191.9   469.0     5.00    12.37     1.40
 YES
 B18_21          0   0.25200E-04  475740.1 3746192.3   467.7     5.00    12.37     1.40
 YES
 B18_22          0   0.25200E-04  475775.0 3746192.7   467.1     5.00    12.37     1.40
 YES
 B18_23          0   0.25200E-04  475689.5 3746183.6   469.0     5.00    12.37     1.40
 YES
 B18_24          0   0.25200E-04  475743.5 3746185.2   467.4     5.00    12.37     1.40
 YES
 B18_25          0   0.25200E-04  475771.3 3746185.7   467.1     5.00    12.37     1.40
 YES
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                ***       10:10:16

                    PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  B13        B13_1       , B13_2       ,

  B14        B14_1       , B14_2       , B14_3       , B14_4       , B14_5       , B14_6       ,

  B17        B17_1       , B17_2       ,

  B18        B18_1       , B18_2       , B18_3       , B18_4       , B18_5       , B18_6       ,
  B18_7       , B18_8       ,

             B18_9       , B18_10      , B18_11      , B18_12      , B18_13      , B18_14      ,
             B18_15      , B16_16      ,

             B18_17      , B18_18      , B18_19      , B18_20      , B18_21      , B18_22      ,
             B18_23      , B18_24      ,

             B18_25      ,

  ALL        B13_1       , B13_2       , B14_1       , B14_2       , B14_3       , B14_4       ,
  B14_5       , B14_6       ,

             B17_1       , B17_2       , B18_1       , B18_2       , B18_3       , B18_4       ,
             B18_5       , B18_6       ,

             B18_7       , B18_8       , B18_9       , B18_10      , B18_11      , B18_12      ,
             B18_13      , B18_14      ,

             B18_15      , B18_16      , B18_17      , B18_18      , B18_19      , B18_20      ,
             B18_21      , B18_22      ,

             B18_23      , B18_24      , B18_25      ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
```

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	B13_1 , B13_2 , B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,
		B17_1 , B17_2 , B18_1 , B18_2 , B18_3 , B18_4 , B18_5 , B18_6 ,
		B18_7 , B18_8 , B18_9 , B18_10 , B18_11 , B18_12 , B18_13 , B18_14 ,
		B18_15 , B18_16 , B18_17 , B18_18 , B18_19 , B18_20 , B18_21 , B18_22 ,
		B18_23 , B18_24 , B18_25 ,

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

(476395.7, 3744607.8, 462.5, 462.5, 2.0); (476314.7, 3744669.6, 463.2, 463.2, 2.0);
(476332.8, 3744655.3, 463.0, 463.0, 2.0); (476366.0, 3744513.7, 463.2, 463.2, 2.0);
(476245.9, 3744942.5, 463.5, 463.5, 2.0); (476289.5, 3745000.4, 463.0, 463.0, 2.0);
(476288.5, 3745361.6, 461.2, 461.2, 2.0); (475880.7, 3745148.5, 468.0, 468.0, 2.0);
(475796.7, 3745058.2, 469.6, 469.6, 2.0); (475750.0, 3745108.9, 470.0, 470.0, 2.0);
(475798.5, 3745194.1, 469.1, 469.1, 2.0); (475752.4, 3745335.1, 469.9, 469.9, 2.0);
(475776.9, 3745405.8, 470.0, 470.0, 2.0); (475731.8, 3745293.2, 470.6, 470.6, 2.0);
(475784.8, 3745574.2, 467.8, 467.8, 2.0); (475709.8, 3745574.8, 469.3, 469.3, 2.0);
(475708.9, 3745598.8, 469.4, 469.4, 2.0); (475709.4, 3745621.8, 469.2, 469.2, 2.0);
(475709.4, 3745647.0, 469.0, 469.0, 2.0); (475709.1, 3745668.2, 469.0, 469.0, 2.0);
(475710.0, 3745693.7, 469.3, 469.3, 2.0); (475709.4, 3745717.0, 469.4, 469.4, 2.0);
(475709.1, 3745739.8, 469.4, 469.4, 2.0); (475777.8, 3745697.3, 468.0, 468.0, 2.0);
(475785.3, 3745721.7, 467.8, 467.8, 2.0); (475794.2, 3745802.0, 467.5, 467.5, 2.0);
(475778.8, 3745842.0, 468.0, 468.0, 2.0); (475800.0, 3745888.8,

```
    467.3,     467.3,        2.0);
    ( 475790.0, 3745940.2,     467.0,     467.0,       2.0);         ( 475892.2, 3745936.4,
    465.2,     465.2,        2.0);
    ( 475893.3, 3746111.5,     465.0,     465.0,       2.0);         ( 476130.1, 3746085.0,
    462.0,     462.0,        2.0);
    ( 476129.7, 3745935.0,     462.0,     462.0,       2.0);         ( 475595.7, 3746575.8,
    469.1,     469.1,        2.0);
    ( 475911.0, 3746495.7,     464.0,     464.0,       2.0);         ( 475863.3, 3746556.4,
    464.5,     464.5,        2.0);
    ( 475594.2, 3746890.1,     468.4,     468.4,       2.0);         ( 476146.4, 3746600.5,
    460.7,     460.7,        2.0);
    ( 476082.9, 3746873.9,     459.9,     459.9,       2.0);         ( 475609.1, 3746999.9,
    467.0,     467.0,        2.0);
    ( 475745.2, 3747048.2,     464.2,     464.2,       2.0);         ( 475382.0, 3746161.0,
    476.1,     476.1,        2.0);
    ( 475411.0, 3746003.0,     475.3,     475.3,       2.0);         ( 474409.0, 3746437.3,
    518.9,     524.0,        2.0);
    ( 476290.4, 3746244.9,     460.0,     460.0,       2.0);         ( 476339.3, 3746119.1,
    460.0,     460.0,        2.0);
    ( 476311.4, 3746179.4,     460.0,     460.0,       2.0);         ( 476277.8, 3746288.2,
    460.0,     460.0,        2.0);
    ( 476333.6, 3746432.9,     459.0,     459.0,       2.0);         ( 476384.2, 3745949.3,
    460.0,     460.0,        2.0);
    ( 476360.3, 3745999.4,     460.0,     460.0,       2.0);         ( 476412.9, 3745836.5,
    460.0,     460.0,        2.0);
    ( 476404.8, 3745918.6,     460.0,     460.0,       2.0);         ( 476434.1, 3745820.9,
    460.0,     460.0,        2.0);
    ( 476454.9, 3745720.5,     459.0,     459.0,       2.0);         ( 475797.4, 3744976.8,
    471.0,     471.0,        2.0);
    ( 476060.4, 3744909.2,     466.7,     466.7,       2.0);         ( 475777.3, 3744882.4,
    472.0,     472.0,        2.0);
    ( 475781.9, 3744832.1,     471.9,     471.9,       2.0);         ( 475779.6, 3744791.2,
    472.0,     472.0,        2.0);
    ( 475786.0, 3744729.8,     472.0,     472.0,       2.0);         ( 475774.6, 3744924.7,
    471.8,     471.8,        2.0);
    ( 475782.2, 3744693.9,     472.0,     472.0,       2.0);         ( 475768.2, 3744638.7,
    473.0,     473.0,        2.0);
    ( 475787.2, 3744589.0,     472.1,     472.1,       2.0);         ( 475706.3, 3744502.2,
    473.1,     473.1,        2.0);
    ( 475780.2, 3744427.1,     473.0,     473.0,       2.0);         ( 475764.1, 3744390.6,
    473.5,     473.5,        2.0);
    ( 477060.8, 3744371.8,     455.0,     455.0,       2.0);         ( 476803.5, 3745166.9,
    456.0,     456.0,        2.0);
    ( 477112.7, 3745115.0,     453.6,     453.6,       2.0);         ( 477464.4, 3745086.8,
    450.0,     450.0,        2.0);
    ( 477531.6, 3745005.5,     450.0,     450.0,       2.0);         ( 475715.5, 3746455.6,
    468.1,     468.1,        2.0);
    ( 475792.0, 3746459.3,     466.3,     466.3,       2.0);         ( 475771.3, 3746506.7,
    466.3,     466.3,        2.0);
    ( 475775.2, 3746458.3,     466.7,     466.7,       2.0);         ( 475750.4, 3746454.3,
    467.0,     467.0,        2.0);
```



```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
```

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 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 FLGPOL URBAN ADJ_U*

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

Surface file: PERI_V9_ADJU\PERI_v9.SFC Met Version: 16216
Profile file: PERI_V9_ADJU\PERI_v9.PFL
Surface format: FREE

Profile format: FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30				

```
 99.    9.1  277.0    5.5
 10 01 01   1 08   -3.3  0.086 -9.000 -9.000 -999.   61.     16.8  0.19   0.61   0.54    0.90
 319.    9.1  278.8    5.5
 10 01 01   1 09   20.1  0.128  0.307  0.010   49.  110.     -9.0  0.19   0.61   0.33    0.90
 239.    9.1  284.2    5.5
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
 188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
 310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
 357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
 356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
 50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
 53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
 11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
 351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
 181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
 318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        10:10:16

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

                            *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR
                            SOURCE GROUP:  B13      ***
                                INCLUDING SOURCE(S):     B13_1       , B13_2       ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

     X-COORD (M)  Y-COORD (M)         CONC      (YYMMDDHH)              X-COORD (M)  Y-COORD
     (M)         CONC      (YYMMDDHH)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -
       476395.71   3744607.81         0.00392b (10102124)               476314.71
       3744669.61         0.00515b (10102124)
```

476332.85 3744655.27 0.00484b (10102124) 476365.97
3744513.73 0.00324b (10102124)
476245.90 3744942.48 0.01743 (14120124) 476289.52
3745000.38 0.01627b (14111524)
476288.55 3745361.57 0.01480 (15122224) 475880.74
3745148.55 0.01661 (11010224)
475796.73 3745058.23 0.01194 (11010224) 475750.05
3745108.89 0.01010 (11010224)
475798.54 3745194.08 0.01141 (11010224) 475752.37
3745335.13 0.00763 (11121224)
475776.90 3745405.80 0.00825 (11121224) 475731.82
3745293.23 0.00719 (11121224)
475784.75 3745574.23 0.00535m (10121824) 475709.78
3745574.77 0.00507m (10060524)
475708.88 3745598.80 0.00489m (10121824) 475709.42
3745621.76 0.00483m (10121824)
475709.42 3745647.05 0.00473m (10121824) 475709.06
3745668.21 0.00466m (10121824)
475709.96 3745693.68 0.00467m (10121824) 475709.42
3745717.00 0.00459m (10121824)
475709.06 3745739.77 0.00450m (10121824) 475777.75
3745697.27 0.00434m (10121824)
475785.29 3745721.66 0.00430 (14022724) 475794.25
3745802.05 0.00405 (14022724)
475778.85 3745842.00 0.00380 (14022724) 475800.05
3745888.80 0.00360 (14022724)
475789.98 3745940.18 0.00252 (14121224) 475892.19
3745936.40 0.00299b (10121924)
475893.32 3746111.50 0.00226b (10121924) 476130.12
3746085.01 0.00230b (10121924)
476129.71 3745935.03 0.00312b (10121924) 475595.68
3746575.78 0.00209 (15060424)
475911.01 3746495.74 0.00135b (10121924) 475863.30
3746556.38 0.00123b (10121924)
475594.25 3746890.12 0.00121 (15060424) 476146.43
3746600.47 0.00106b (10121924)
476082.93 3746873.86 0.00084b (10121924) 475609.08
3746999.92 0.00069b (10121924)
475745.21 3747048.16 0.00073b (10121924) 475382.02
3746160.96 0.00255m (16123124)
475411.04 3746003.05 0.00284m (16123124) 474409.00
3746437.28 0.00182m (10042324)
476290.36 3746244.91 0.00148 (16112024) 476339.29
3746119.15 0.00186 (16112024)
476311.38 3746179.40 0.00167 (16112024) 476277.82
3746288.18 0.00139 (11111924)
476333.63 3746432.95 0.00114 (16112024) 476384.17
3745949.30 0.00243 (16112024)
476360.32 3745999.45 0.00228 (16112024) 476412.89
3745836.48 0.00276 (16112024)
476404.80 3745918.57 0.00247 (16112024) 476434.06
3745820.87 0.00268 (16112024)
476454.86 3745720.49 0.00314 (15122224) 475797.42
3744976.75 0.01086 (11010224)
476060.39 3744909.25 0.02048 (14010524) 475777.26
3744882.37 0.00763 (14111824)
475781.93 3744832.11 0.00724 (14111824) 475779.60
3744791.20 0.00686 (14122324)
475786.02 3744729.84 0.00631 (14122324) 475774.63
3744924.73 0.00874 (11010224)
475782.23 3744693.90 0.00580 (14122324) 475768.20
3744638.68 0.00502 (14122324)
475787.19 3744589.00 0.00458 (11010124) 475706.26
3744502.22 0.00355 (14122324)
475780.18 3744427.13 0.00369 (11010124) 475764.11
3744390.61 0.00348 (11010124)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B14 ***
INCLUDING SOURCE(S): B14_1 , B14_2 , B14_3 , B14_4 , B14_5 , B14_6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.00259b	(10102124)	476314.71	3744669.61	0.00298	(14063024)
476332.85	3744655.27	0.00287	(14063024)	476365.97	3744513.73	0.00231	(14063024)
476245.90	3744942.48	0.00554b	(10102124)	476289.52	3745000.38	0.00611b	(10102124)
476288.55	3745361.57	0.01666b	(14111524)	475880.74	3745148.55	0.01189	(14122324)
475796.73	3745058.23	0.00890	(11010124)	475750.05	3745108.89	0.01022	(14122324)
475798.54	3745194.08	0.01485	(14122324)	475752.37	3745335.13	0.02174	(11010224)
475776.90	3745405.80	0.03607c	(14120324)	475731.82	3745293.23	0.01680c	(15121824)
475784.75	3745574.23	0.03957c	(14121524)	475709.78	3745574.77	0.02033c	(14121524)
475708.88	3745598.80	0.01924c	(14121524)	475709.42	3745621.76	0.01846	(11121224)
475709.42	3745647.05	0.01717	(11121224)	475709.06	3745668.21	0.01679	(11121224)
475709.96	3745693.68	0.01602	(11121224)	475709.42	3745717.00	0.01504	(11121224)
475709.06	3745739.77	0.01408	(11121224)	475777.75	3745697.27	0.02057	(11121224)
475785.29	3745721.66	0.01882	(11121224)	475794.25	3745802.05	0.01347	(16010524)
475778.85	3745842.00	0.01148	(10012024)	475800.05	3745888.80	0.01027	(14121224)
475789.98	3745940.18	0.00848	(14121224)	475892.19	3745936.40	0.01035b	(10121924)
475893.32	3746111.50	0.00638b	(10121924)	476130.12	3746085.01	0.00556	(11111924)
476129.71	3745935.03	0.00865	(11111924)	475595.68			

3746575.78 0.00366 (14022724)
475911.01 3746495.74 0.00296b (10121924) 475863.30
3746556.38 0.00270b (10121924)
475594.25 3746890.12 0.00218 (15060424) 476146.43
3746600.47 0.00199 (11111924)
476082.93 3746873.86 0.00148 (16032824) 475609.08
3746999.92 0.00152b (10121924)
475745.21 3747048.16 0.00143b (10121924) 475382.02
3746160.96 0.00526m (16123124)
475411.04 3746003.05 0.00658m (10060524) 474409.00
3746437.28 0.00189m (14061724)
476290.36 3746244.91 0.00341 (16112024) 476339.29
3746119.15 0.00377 (16112024)
476311.38 3746179.40 0.00366 (16112024) 476277.82
3746288.18 0.00322 (16112024)
476333.63 3746432.95 0.00245 (16112024) 476384.17
3745949.30 0.00506 (15122224)
476360.32 3745999.45 0.00472 (15122224) 476412.89
3745836.48 0.00590c (14121524)
476404.80 3745918.57 0.00515 (15122224) 476434.06
3745820.87 0.00578c (14121524)
476454.86 3745720.49 0.00651c (14121524) 475797.42
3744976.75 0.00757 (11010124)
476060.39 3744909.25 0.00568 (16122724) 475777.26
3744882.37 0.00662 (11010124)
475781.93 3744832.11 0.00596 (11010124) 475779.60
3744791.20 0.00549 (11010124)
475786.02 3744729.84 0.00486 (11010124) 475774.63
3744924.73 0.00718 (11010124)
475782.23 3744693.90 0.00453 (11010124) 475768.20
3744638.68 0.00424 (11010124)
475787.19 3744589.00 0.00372 (11010124) 475706.26
3744502.22 0.00341 (11010124)
475780.18 3744427.13 0.00297 (11011124) 475764.11
3744390.61 0.00287 (11011124)
477060.85 3744371.76 0.00113 (16011824) 476803.53
3745166.88 0.00271m (16031424)
477112.67 3745114.97 0.00161m (16031424) 477464.43
3745086.80 0.00104m (16031424)
477531.57 3745005.51 0.00095m (16031424) 475715.48
3746455.63 0.00364 (15060424)
475791.98 3746459.29 0.00330b (10121924) 475771.33
3746506.69 0.00302b (10121924)
475775.18 3746458.34 0.00325b (10121924) 475750.42
3746454.29 0.00317b (10121924)

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B17 ***
INCLUDING SOURCE(S): B17_1 , B17_2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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

476395.71 3744607.81 0.00058 (16122724) 476314.71
3744669.61 0.00062 (16122724)
476332.85 3744655.27 0.00061 (16122724) 476365.97
3744513.73 0.00054 (16122724)
476245.90 3744942.48 0.00084 (16122724) 476289.52
3745000.38 0.00089 (16122724)
476288.55 3745361.57 0.00146 (14063024) 475880.74
3745148.55 0.00118 (14011524)
475796.73 3745058.23 0.00123 (10073024) 475750.05
3745108.89 0.00131 (11011124)
475798.54 3745194.08 0.00143 (11011124) 475752.37
3745335.13 0.00188 (11010124)
475776.90 3745405.80 0.00214 (11010124) 475731.82
3745293.23 0.00182 (11010124)
475784.75 3745574.23 0.00226 (11010124) 475709.78
3745574.77 0.00272 (11010124)
475708.88 3745598.80 0.00283 (11010124) 475709.42
3745621.76 0.00293 (11010124)
475709.42 3745647.05 0.00304 (11010124) 475709.06
3745668.21 0.00316 (11010124)
475709.96 3745693.68 0.00335 (11010124) 475709.42
3745717.00 0.00350 (11010124)
475709.06 3745739.77 0.00372 (14122324) 475777.75
3745697.27 0.00295 (14122324)
475785.29 3745721.66 0.00318 (14122324) 475794.25
3745802.05 0.00415 (14122324)
475778.85 3745842.00 0.00474 (14122324) 475800.05
3745888.80 0.00570 (14122324)
475789.98 3745940.18 0.00680 (14122324) 475892.19
3745936.40 0.00676 (15011124)
475893.32 3746111.50 0.02129c (15121824) 476130.12
3746085.01 0.01634 (14120124)
476129.71 3745935.03 0.00714 (14120124) 475595.68
3746575.78 0.00465m (10060524)
475911.01 3746495.74 0.01229b (10121924) 475863.30
3746556.38 0.00814 (14121224)
475594.25 3746890.12 0.00317 (14022724) 476146.43
3746600.47 0.00624 (14113024)
476082.93 3746873.86 0.00288 (11111924) 475609.08
3746999.92 0.00198 (14022724)
475745.21 3747048.16 0.00193b (10121924) 475382.02
3746160.96 0.00417 (11010224)
475411.04 3746003.05 0.00401c (14120324) 474409.00
3746437.28 0.00107 (14040424)
476290.36 3746244.91 0.01007c (14121524) 476339.29
3746119.15 0.00651b (14111524)
476311.38 3746179.40 0.00830m (16031424) 476277.82
3746288.18 0.01088c (14121524)
476333.63 3746432.95 0.00595c (14121524) 476384.17
3745949.30 0.00400 (16011824)
476360.32 3745999.45 0.00472b (14111524) 476412.89
3745836.48 0.00300 (16011824)
476404.80 3745918.57 0.00357 (16011824) 476434.06
3745820.87 0.00279 (16011824)
476454.86 3745720.49 0.00221 (16011824) 475797.42
3744976.75 0.00127 (10073024)
476060.39 3744909.25 0.00096 (14011524) 475777.26
3744882.37 0.00122 (10073024)
475781.93 3744832.11 0.00117 (10073024) 475779.60
3744791.20 0.00113 (10073024)
475786.02 3744729.84 0.00108 (10073024) 475774.63
3744924.73 0.00124 (10073024)
475782.23 3744693.90 0.00105 (10073024) 475768.20
3744638.68 0.00105 (10073024)
475787.19 3744589.00 0.00097 (10073024) 475706.26
3744502.22 0.00089 (10073024)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B18 ***
INCLUDING SOURCE(S): B18_1 , B18_2 , B18_3 , B18_4 , B18_5 ,
B18_6 , B18_7 , B18_8 , B18_9 , B18_10 ,
B18_11 , B18_12 , B18_13 ,
B18_14 , B18_15 , B18_16 , B18_17 , B18_18 ,
B18_19 , B18_20 , B18_21 ,
B18_22 , B18_23 , B18_24 , B18_25 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.00070	(14063024)	476314.71	3744669.61	0.00077	(14063024)
476332.85	3744655.27	0.00076	(14063024)	476365.97	3744513.73	0.00067	(14063024)
476245.90	3744942.48	0.00100	(14063024)	476289.52	3745000.38	0.00101b	(10102124)
476288.55	3745361.57	0.00147c	(16050824)	475880.74	3745148.55	0.00140	(16122724)
475796.73	3745058.23	0.00124	(14011524)	475750.05	3745108.89	0.00134	(14011524)
475798.54	3745194.08	0.00146	(14011524)	475752.37	3745335.13	0.00188	(14011524)
475776.90	3745405.80	0.00209	(14011524)	475731.82	3745293.23	0.00194	(14011524)
475784.75	3745574.23	0.00299	(16122724)	475709.78	3745574.77	0.00298	(14011524)
475708.88	3745598.80	0.00315	(14011524)	475709.42	3745621.76	0.00333	(14011524)
475709.42	3745647.05	0.00355	(14011524)	475709.06	3745668.21	0.00375	(14011524)
475709.96	3745693.68	0.00402	(14011524)	475709.42	3745717.00	0.00429	(14011524)
475709.06	3745739.77	0.00459	(14011524)	475777.75	3745697.27	0.00413	(16122724)
475785.29	3745721.66	0.00444	(16122724)	475794.25	3745802.05	0.00572	(16122724)
475778.85	3745842.00	0.00667	(16122724)	475800.05			

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       3745888.80        0.00782  (16122724)
       475789.98   3745940.18        0.00994  (16122724)               475892.19
       3745936.40        0.00860b (10102124)
       475893.32   3746111.50        0.01726  (16011824)               476130.12
       3746085.01        0.00536b (14111524)
       476129.71   3745935.03        0.00432  (16011824)               475595.68
       3746575.78        0.02072  (14121224)
       475911.01   3746495.74        0.01316  (15122224)               475863.30
       3746556.38        0.01246  (14121724)
       475594.25   3746890.12        0.00528b (10121924)               476146.43
       3746600.47        0.00417c (14121524)
       476082.93   3746873.86        0.00285  (15122224)               475609.08
       3746999.92        0.00401b (10121924)
       475745.21   3747048.16        0.00311b (10121924)               475382.02
       3746160.96        0.01196  (11010224)
       475411.04   3746003.05        0.00829  (14111824)               474409.00
       3746437.28        0.00169  (14040424)
       476290.36   3746244.91        0.00357m (16031424)               476339.29
       3746119.15        0.00300m (16031424)
       476311.38   3746179.40        0.00331m (16031424)               476277.82
       3746288.18        0.00371m (16031424)
       476333.63   3746432.95        0.00304c (14121524)               476384.17
       3745949.30        0.00240b (14111524)
       476360.32   3745999.45        0.00263m (16031424)               476412.89
       3745836.48        0.00209b (14111524)
       476404.80   3745918.57        0.00226b (14111524)               476434.06
       3745820.87        0.00199b (14111524)
       476454.86   3745720.49        0.00176b (14111524)               475797.42
       3744976.75        0.00129  (14011524)
       476060.39   3744909.25        0.00102  (16122724)               475777.26
       3744882.37        0.00127  (16011124)
       475781.93   3744832.11        0.00117  (16011124)               475779.60
       3744791.20        0.00115  (16011124)
       475786.02   3744729.84        0.00108  (16011124)               475774.63
       3744924.73        0.00129  (16011124)
       475782.23   3744693.90        0.00104  (16011124)               475768.20
       3744638.68        0.00137  (16011124)
       475787.19   3744589.00        0.00105  (16011124)               475706.26
       3744502.22        0.00109  (16011124)
       475780.18   3744427.13        0.00113  (16011124)               475764.11
       3744390.61        0.00111  (16011124)
       477060.85   3744371.76        0.00045c (16050824)               476803.53
       3745166.88        0.00078  (16011824)
       477112.67   3745114.97        0.00059b (14111524)               477464.43
       3745086.80        0.00045b (14111524)
       477531.57   3745005.51        0.00042b (14111524)               475715.48
       3746455.63        0.05747  (11121924)
       475791.98   3746459.29        0.03937  (14113024)               475771.33
       3746506.69        0.02727  (11111924)
       475775.18   3746458.34        0.04524  (11111924)               475750.42
       3746454.29        0.05333  (11111924)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13697 MFBC\13697
Ops\13697 Ops. ***        01/18/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       10:10:16

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

                          *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR
                          SOURCE GROUP:  ALL      ***
                              INCLUDING SOURCE(S):     B13_1       , B13_2       ,
                              B14_1       , B14_2       , B14_3       ,
               B14_4       , B14_5       , B14_6       , B17_1       , B17_2       ,
               B18_1       , B18_2       , B18_3       ,
               B18_4       , B18_5       , B18_6       , B18_7       , B18_8       ,
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B18_9 , B18_10 , B18_11 ,
B18_12 , B18_13 , B18_14 , B18_15 , B18_16 ,
B18_17 , B18_18 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
476395.71	3744607.81	0.00767b	(10102124)	476314.71	3744669.61	0.00930b	(10102124)
476332.85	3744655.27	0.00889b	(10102124)	476365.97	3744513.73	0.00663	(14063024)
476245.90	3744942.48	0.02452	(14120124)	476289.52	3745000.38	0.02316b	(14111524)
476288.55	3745361.57	0.03311m	(16031424)	475880.74	3745148.55	0.02993c	(14121524)
475796.73	3745058.23	0.01867c	(10122124)	475750.05	3745108.89	0.01809c	(10122124)
475798.54	3745194.08	0.02435c	(14121524)	475752.37	3745335.13	0.02971	(11010224)
475776.90	3745405.80	0.04444c	(14120324)	475731.82	3745293.23	0.02474	(11010224)
475784.75	3745574.23	0.04884c	(14121524)	475709.78	3745574.77	0.02872c	(14121524)
475708.88	3745598.80	0.02767c	(14121524)	475709.42	3745621.76	0.02675c	(14121524)
475709.42	3745647.05	0.02559c	(14121524)	475709.06	3745668.21	0.02499	(11121224)
475709.96	3745693.68	0.02435	(11121224)	475709.42	3745717.00	0.02348	(11121224)
475709.06	3745739.77	0.02266	(11121224)	475777.75	3745697.27	0.02911	(11121224)
475785.29	3745721.66	0.02753	(11121224)	475794.25	3745802.05	0.02345c	(14121524)
475778.85	3745842.00	0.02216c	(14121524)	475800.05	3745888.80	0.02259c	(14121524)
475789.98	3745940.18	0.02370c	(14121524)	475892.19	3745936.40	0.02411c	(14121524)
475893.32	3746111.50	0.04310c	(14121524)	476130.12	3746085.01	0.02664m	(16031424)
476129.71	3745935.03	0.02041m	(16031424)	475595.68	3746575.78	0.02777	(14121224)
475911.01	3746495.74	0.02670c	(14121524)	475863.30	3746556.38	0.02195c	(14121524)
475594.25	3746890.12	0.01030b	(10121924)	476146.43	3746600.47	0.01237c	(14121524)
476082.93	3746873.86	0.00735	(11111924)	475609.08	3746999.92	0.00781b	(10121924)
475745.21	3747048.16	0.00720b	(10121924)	475382.02	3746160.96	0.01893c	(14120324)
475411.04	3746003.05	0.01678m	(10060524)	474409.00	3746437.28	0.00507	(14040424)
476290.36	3746244.91	0.01786c	(14121524)	476339.29	3746119.15	0.01463m	(16031424)
476311.38	3746179.40	0.01631m	(16031424)	476277.82	3746288.18	0.01853c	(14121524)
476333.63	3746432.95	0.01204c	(14121524)	476384.17	3745949.30	0.01310m	(16031424)
476360.32	3745999.45	0.01362m	(16031424)	476412.89	3745836.48	0.01314m	(16031424)
476404.80	3745918.57	0.01274m	(16031424)	476434.06			

3745820.87 0.01275m (16031424)
476454.86 3745720.49 0.01321m (16031424) 475797.42
3744976.75 0.01692 (11010124)
476060.39 3744909.25 0.02790 (14010524) 475777.26
3744882.37 0.01476 (11010124)
475781.93 3744832.11 0.01375 (11010124) 475779.60
3744791.20 0.01285 (11010124)
475786.02 3744729.84 0.01178 (11010124) 475774.63
3744924.73 0.01554 (11010124)
475782.23 3744693.90 0.01107 (11010124) 475768.20
3744638.68 0.01030 (11010124)
475787.19 3744589.00 0.00951 (11010124) 475706.26
3744502.22 0.00807 (11010124)
475780.18 3744427.13 0.00768 (11010124) 475764.11
3744390.61 0.00737 (11010124)
477060.85 3744371.76 0.00292 (16011824) 476803.53
3745166.88 0.00668m (16031424)
477112.67 3745114.97 0.00410m (16031424) 477464.43
3745086.80 0.00273m (16031424)
477531.57 3745005.51 0.00251m (16031424) 475715.48
3746455.63 0.06776 (11121924)
475791.98 3746459.29 0.05020c (14121524) 475771.33
3746506.69 0.03577 (11111924)
475775.18 3746458.34 0.05539 (14113024) 475750.42
3746454.29 0.06383c (14121524)

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
B13	1ST HIGH VALUE IS	0.02048	ON 14010524: AT (476060.39, 3744909.25, 466.65, 466.65, 2.00)	DC	
B14	1ST HIGH VALUE IS	0.03957c	ON 14121524: AT (475784.75, 3745574.23, 467.84, 467.84, 2.00)	DC	
B17	1ST HIGH VALUE IS	0.02129c	ON 15121824: AT (475893.32, 3746111.50, 465.00, 465.00, 2.00)	DC	
B18	1ST HIGH VALUE IS	0.05747	ON 11121924: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC	
ALL	1ST HIGH VALUE IS	0.06776	ON 11121924: AT (475715.48, 3746455.63, 468.10, 468.10, 2.00)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

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

ME W186	139	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used		0.50
ME W187	139	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET		
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		2 year gap

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