Appendix C:
Air Quality, Greenhouse Gas, and Energy Supporting Information

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C.1 - CalEEMod Output Files

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Elnoka Village CalEEMod Output

Unmitigated Project Operations (2023) Annual **C.1-1**

Unmitigated Project Operations (2023) Summer **C.1-24**

Unmitigated Project Operations (2023) Winter **C.1-39**

Unmitigated Project Operations (2030) Annual **C.1-54**

Phase 1 Unmitigated Construction Annual **C.1-77**

Phase 1 Unmitigated Construction Summer **C.1-93**

Phase 1 Unmitigated Construction Winter **C.1-109**

Phase 2 Unmitigated Construction Annual **C.1-121**

Phase 2 Unmitigated Construction Summer **C.1-134**

Phase 2 Unmitigated Construction Winter **C.1-143**

Phase 3 Unmitigated Construction Annual **C.1-151**

Phase 3 Unmitigated Construction Summer **C.1-159**

Phase 3 Unmitigated Construction Winter **C.1-167**

Phase 4 Unmitigated Construction Annual **C.1-175**

Phase 4 Unmitigated Construction Summer **C.1-183**

Phase 4 Unmitigated Construction Winter **C.1-191**

Phase 5 Unmitigated Construction Annual **C.1-199**

Phase 5 Unmitigated Construction Summer **C.1-208**

Phase 5 Unmitigated Construction Winter **C.1-216**

Tier IV Mitigated Phase 1 Construction Annual **C.1-224**

Tier IV Mitigated Phase 1 Construction Summer **C.1-244**

Tier IV Mitigated Phase 1 Construction Winter **C.1-258**

Tier IV Mitigated Phase 2 Construction Annual **C.1-275**

Tier IV Mitigated Phase 2 Construction Summer **C.1-284**
Tier IV Mitigated Phase 2 Construction Winter **C.1-293**
Tier IV Mitigated Phase 3 Construction Annual **C.1-301**
Tier IV Mitigated Phase 3 Construction Summer **C.1-310**
Tier IV Mitigated Phase 3 Construction Winter **C.1-318**
Tier IV Mitigated Phase 4 Construction Annual **C.1-326**
Tier IV Mitigated Phase 4 Construction Summer **C.1-334**
Tier IV Mitigated Phase 4 Construction Winter **C.1-342**
Tier IV Mitigated Phase 5 Construction Annual **C.1-350**
Tier IV Mitigated Phase 5 Construction Summer **C.1-359**
Tier IV Mitigated Phase 5 Construction Winter **C.1-367**

Elnoka Village Project Unmitigated Operations (Buildout in 2023 Operational Year)

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	27.87	Acre	27.87	1,214,017.20	0
Parking Lot	11.15	Acre	11.15	485,694.00	0
Health Club	23.80	1000sqft	0.51	23,802.00	0
Condo/Townhouse	12.00	Dwelling Unit	0.13	11,037.00	31
Congregate Care (Assisted Living)	675.00	Dwelling Unit	12.38	946,593.00	928

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	290	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Elnoka Village Project Unmitigated Operations (Buildout in 2023 Operational Year) - Sonoma-San Francisco County, Annual

Project Characteristics - Elnoka Village Project Operations—Buildout in 2023 Operational Year
CO2 intensity factor based on PG&E Factors

Land Use - Based on site plan, project description, and traffic analysis

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment -

Trips and VMT - Operational run only

Architectural Coating -

Vehicle Trips - Trip generations consistent with Elnoka CCRC Project Traffic Analysis prepared by W-Trans; Consistent with ITE Manual, 9th Edition.

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Elnoka Village Project Unmitigated Operations (Buildout in 2023 Operational Year) - Sonoma-San Francisco County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	1.00
tblLandUse	LandUseSquareFeet	23,800.00	23,802.00
tblLandUse	LandUseSquareFeet	12,000.00	11,037.00
tblLandUse	LandUseSquareFeet	675,000.00	946,593.00
tblLandUse	LotAcreage	0.55	0.51
tblLandUse	LotAcreage	0.75	0.13
tblLandUse	LotAcreage	42.19	12.38
tblLandUse	Population	34.00	31.00
tblLandUse	Population	1,931.00	928.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblTripsAndVMT	WorkerTripNumber	244.00	0.00
tblVehicleTrips	ST_TR	5.67	2.53
tblVehicleTrips	ST_TR	2.20	6.39
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	4.84	2.53
tblVehicleTrips	SU_TR	2.44	5.86
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	5.81	2.58
tblVehicleTrips	WD_TR	2.74	6.65
tblVehicleTrips	WD_TR	32.93	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	7.2198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**7.2198**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	7.2198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**7.2198**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	5-1-2021	7-31-2021	15.4710	15.4710
		Highest	15.4710	15.4710

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.4037	0.0953	7.2855	4.6100e-003		0.3403	0.3403		0.3403	0.3403	31.3201	21.1983	52.5184	0.0584	2.0500e-003	54.5893
Energy	0.0360	0.3098	0.1446	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	779.4407	779.4407	0.0491	0.0153	785.2236
Mobile	1.2222	5.9107	13.5145	0.0452	3.7854	0.0396	3.8251	1.0185	0.0371	1.0556	0.0000	4,157.6168	4,157.6168	0.1673	0.0000	4,161.7988
Waste						0.0000	0.0000		0.0000	0.0000	153.6885	0.0000	153.6885	9.0827	0.0000	380.7568
Water						0.0000	0.0000		0.0000	0.0000	14.6471	46.2504	60.8975	1.5090	0.0365	109.4939
Total	**7.6619**	**6.3158**	**20.9446**	**0.0517**	**3.7854**	**0.4048**	**4.1903**	**1.0185**	**0.4023**	**1.4208**	**199.6558**	**5,004.5062**	**5,204.1620**	**10.8665**	**0.0538**	**5,491.8624**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.8164	0.0585	5.0660	2.7000e-004		0.0280	0.0280		0.0280	0.0280	0.0000	8.2585	8.2585	7.9000e-003	0.0000	8.4561
Energy	0.0360	0.3098	0.1446	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	779.4407	779.4407	0.0491	0.0153	785.2236
Mobile	1.1934	5.7034	12.8482	0.0423	3.5242	0.0372	3.5615	0.9482	0.0348	0.9831	0.0000	3,890.0048	3,890.0048	0.1592	0.0000	3,893.9848
Waste						0.0000	0.0000		0.0000	0.0000	153.6885	0.0000	153.6885	9.0827	0.0000	380.7568
Water						0.0000	0.0000		0.0000	0.0000	11.7177	37.0004	48.7180	1.2072	0.0292	87.5951
Total	**6.0459**	**6.0717**	**18.0588**	**0.0445**	**3.5242**	**0.0902**	**3.6144**	**0.9482**	**0.0878**	**1.0360**	**165.4062**	**4,714.7044**	**4,880.1106**	**10.5062**	**0.0445**	**5,156.0164**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**21.09**	**3.87**	**13.78**	**14.01**	**6.90**	**77.73**	**13.74**	**6.90**	**78.19**	**27.08**	**17.15**	**5.79**	**6.23**	**3.32**	**17.37**	**6.12**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	5/1/2021	5/3/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 39.02

Residential Indoor: 1,939,201; Residential Outdoor: 646,400; Non-Residential Indoor: 35,703; Non-Residential Outdoor: 11,901; Striped Parking Area: 101,983 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.2198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.2198**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.2198					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**7.2198**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1934	5.7034	12.8482	0.0423	3.5242	0.0372	3.5615	0.9482	0.0348	0.9831	0.0000	3,890.0048	3,890.0048	0.1592	0.0000	3,893.9848
Unmitigated	1.2222	5.9107	13.5145	0.0452	3.7854	0.0396	3.8251	1.0185	0.0371	1.0556	0.0000	4,157.6168	4,157.6168	0.1673	0.0000	4,161.7988

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	30.96	30.36	30.36	71,110	66,203
Congregate Care (Assisted Living)	4,488.75	4,313.25	3955.50	10,133,402	9,434,197
Health Club	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	4,519.71	4,343.61	3,985.86	10,204,512	9,500,400

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Congregate Care (Assisted	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Congregate Care (Assisted Living)	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Health Club	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Other Non-Asphalt Surfaces	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Parking Lot	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Elnoka Village Project Unmitigated Operations (Buildout in 2023 Operational Year) - Sonoma-San Francisco County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	422.7462	422.7462	0.0423	8.7500e-003	426.4095
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	422.7462	422.7462	0.0423	8.7500e-003	426.4095
NaturalGas Mitigated	0.0360	0.3098	0.1446	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.6945	356.6945	6.8400e-003	6.5400e-003	358.8141
NaturalGas Unmitigated	0.0360	0.3098	0.1446	1.9700e-003		0.0249	0.0249		0.0249	0.0249	0.0000	356.6945	356.6945	6.8400e-003	6.5400e-003	358.8141

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	224676	1.2100e-003	0.0104	4.4100e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	11.9896	11.9896	2.3000e-004	2.2000e-004	12.0608
Congregate Care (Assisted Living)	5.83163e+006	0.0315	0.2687	0.1144	1.7200e-003		0.0217	0.0217		0.0217	0.0217	0.0000	311.1979	311.1979	5.9600e-003	5.7100e-003	313.0472
Health Club	627897	3.3900e-003	0.0308	0.0259	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.5070	33.5070	6.4000e-004	6.1000e-004	33.7061
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0361**	**0.3098**	**0.1446**	**1.9700e-003**		**0.0249**	**0.0249**		**0.0249**	**0.0249**	**0.0000**	**356.6945**	**356.6945**	**6.8300e-003**	**6.5400e-003**	**358.8141**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	224676	1.2100e-003	0.0104	4.4100e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	11.9896	11.9896	2.3000e-004	2.2000e-004	12.0608
Congregate Care (Assisted Living)	5.83163e+006	0.0315	0.2687	0.1144	1.7200e-003		0.0217	0.0217		0.0217	0.0217	0.0000	311.1979	311.1979	5.9600e-003	5.7100e-003	313.0472
Health Club	627897	3.3900e-003	0.0308	0.0259	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.5070	33.5070	6.4000e-004	6.1000e-004	33.7061
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0361**	**0.3098**	**0.1446**	**1.9700e-003**		**0.0249**	**0.0249**		**0.0249**	**0.0249**	**0.0000**	**356.6945**	**356.6945**	**6.8300e-003**	**6.5400e-003**	**358.8141**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	60545.2	7.9642	8.0000e-004	1.6000e-004	8.0332
Congregate Care (Assisted Living)	2.78664e+006	366.5591	0.0367	7.5800e-003	369.7355
Health Club	196605	25.8617	2.5900e-003	5.4000e-004	26.0858
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	169993	22.3612	2.2400e-003	4.6000e-004	22.5549
Total		**422.7462**	**0.0423**	**8.7400e-003**	**426.4095**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	60545.2	7.9642	8.0000e-004	1.6000e-004	8.0332
Congregate Care (Assisted Living)	2.78664e+006	366.5591	0.0367	7.5800e-003	369.7355
Health Club	196605	25.8617	2.5900e-003	5.4000e-004	26.0858
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	169993	22.3612	2.2400e-003	4.6000e-004	22.5549
Total		**422.7462**	**0.0423**	**8.7400e-003**	**426.4095**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.8164	0.0585	5.0660	2.7000e-004		0.0280	0.0280		0.0280	0.0280	0.0000	8.2585	8.2585	7.9000e-003	0.0000	8.4561
Unmitigated	6.4037	0.0953	7.2855	4.6100e-003		0.3403	0.3403		0.3403	0.3403	31.3201	21.1983	52.5184	0.0584	2.0500e-003	54.5893

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9429					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.5851	0.0365	2.1827	4.3400e-003		0.3121	0.3121		0.3121	0.3121	31.3201	12.8647	44.1848	0.0503	2.0500e-003	46.0553
Landscaping	0.1538	0.0588	5.1028	2.7000e-004		0.0282	0.0282		0.0282	0.0282	0.0000	8.3336	8.3336	8.0200e-003	0.0000	8.5340
Total	**6.4037**	**0.0953**	**7.2855**	**4.6100e-003**		**0.3403**	**0.3403**		**0.3403**	**0.3403**	**31.3201**	**21.1983**	**52.5184**	**0.0584**	**2.0500e-003**	**54.5893**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7220					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9429					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1516	0.0585	5.0660	2.7000e-004		0.0280	0.0280		0.0280	0.0280	0.0000	8.2585	8.2585	7.9000e-003	0.0000	8.4561
Total	**4.8164**	**0.0585**	**5.0660**	**2.7000e-004**		**0.0280**	**0.0280**		**0.0280**	**0.0280**	**0.0000**	**8.2585**	**8.2585**	**7.9000e-003**	**0.0000**	**8.4561**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	48.7180	1.2072	0.0292	87.5951
Unmitigated	60.8975	1.5090	0.0365	109.4939

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	0.781848 / 0.492904	1.0315	0.0256	6.2000e-004	1.8544
Congregate Care (Assisted Living)	43.979 / 27.7259	58.0204	1.4375	0.0348	104.3123
Health Club	1.40761 / 0.862727	1.8457	0.0460	1.1100e-003	3.3272
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**60.8975**	**1.5090**	**0.0365**	**109.4939**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	0.625479 / 0.394323	0.8252	0.0204	4.9000e-004	1.4836
Congregate Care (Assisted Living)	35.1832 / 22.1807	46.4163	1.1500	0.0278	83.4498
Health Club	1.12609 / 0.690181	1.4765	0.0368	8.9000e-004	2.6618
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**48.7180**	**1.2072**	**0.0292**	**87.5951**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	153.6885	9.0827	0.0000	380.7568
Unmitigated	153.6885	9.0827	0.0000	380.7568

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	5.52	1.1205	0.0662	0.0000	2.7760
Congregate Care (Assisted Living)	615.94	125.0303	7.3891	0.0000	309.7572
Health Club	135.66	27.5378	1.6274	0.0000	68.2236
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**153.6885**	**9.0827**	**0.0000**	**380.7568**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	5.52	1.1205	0.0662	0.0000	2.7760
Congregate Care (Assisted Living)	615.94	125.0303	7.3891	0.0000	309.7572
Health Club	135.66	27.5378	1.6274	0.0000	68.2236
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**153.6885**	**9.0827**	**0.0000**	**380.7568**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Elnoka Village Project Unmitigated Operations (Buildout in 2023 Operational Year)

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	27.87	Acre	27.87	1,214,017.20	0
Parking Lot	11.15	Acre	11.15	485,694.00	0
Health Club	23.80	1000sqft	0.51	23,802.00	0
Condo/Townhouse	12.00	Dwelling Unit	0.13	11,037.00	31
Congregate Care (Assisted Living)	675.00	Dwelling Unit	12.38	946,593.00	928

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	290	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Elnoka Village Project Unmitigated Operations (Buildout in 2023 Operational Year) - Sonoma-San Francisco County, Summer

Project Characteristics - Elnoka Village Project Operations—Buildout in 2023 Operational Year
CO2 intensity factor based on PG&E Factors

Land Use - Based on site plan, project description, and traffic analysis

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment -

Trips and VMT - Operational run only

Architectural Coating -

Vehicle Trips - Trip generations consistent with Elnoka CCRC Project Traffic Analysis prepared by W-Trans; Consistent with ITE Manual, 9th Edition.

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Elnoka Village Project Unmitigated Operations (Buildout in 2023 Operational Year) - Sonoma-San Francisco County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	1.00
tblLandUse	LandUseSquareFeet	23,800.00	23,802.00
tblLandUse	LandUseSquareFeet	12,000.00	11,037.00
tblLandUse	LandUseSquareFeet	675,000.00	946,593.00
tblLandUse	LotAcreage	0.55	0.51
tblLandUse	LotAcreage	0.75	0.13
tblLandUse	LotAcreage	42.19	12.38
tblLandUse	Population	34.00	31.00
tblLandUse	Population	1,931.00	928.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblTripsAndVMT	WorkerTripNumber	244.00	0.00
tblVehicleTrips	ST_TR	5.67	2.53
tblVehicleTrips	ST_TR	2.20	6.39
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	4.84	2.53
tblVehicleTrips	SU_TR	2.44	5.86
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	5.81	2.58
tblVehicleTrips	WD_TR	2.74	6.65
tblVehicleTrips	WD_TR	32.93	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	14,439.5546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**14,439.5546**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	14,439.5546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**14,439.5546**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	309.8049	6.8996	429.9829	0.7222		53.3071	53.3071		53.3071	53.3071	5,750.7714	2,648.0104	8,398.7817	7.9678	0.4065	8,719.1080
Energy	0.1975	1.6978	0.7924	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.4566	2,154.4566	0.0413	0.0395	2,167.2595
Mobile	7.7573	32.2631	77.5284	0.2659	22.2504	0.2224	22.4727	5.9637	0.2080	6.1717		26,964.1691	26,964.1691	1.0371		26,990.0968
Total	**317.7597**	**40.8605**	**508.3037**	**0.9988**	**22.2504**	**53.6660**	**75.9163**	**5.9637**	**53.6516**	**59.6153**	**5,750.7714**	**31,766.6361**	**37,517.4074**	**9.0462**	**0.4460**	**37,876.4642**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	27.2451	0.6495	56.2892	2.9600e-003		0.3114	0.3114		0.3114	0.3114	0.0000	101.1497	101.1497	0.0968	0.0000	103.5690
Energy	0.1975	1.6978	0.7924	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.4566	2,154.4566	0.0413	0.0395	2,167.2595
Mobile	7.5926	31.1622	73.3936	0.2487	20.7151	0.2089	20.9239	5.5522	0.1953	5.7476		25,227.6438	25,227.6438	0.9851		25,252.2701
Total	**35.0353**	**33.5094**	**130.4751**	**0.2624**	**20.7151**	**0.6567**	**21.3718**	**5.5522**	**0.6432**	**6.1954**	**0.0000**	**27,483.2501**	**27,483.2501**	**1.1231**	**0.0395**	**27,523.0986**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**88.97**	**17.99**	**74.33**	**73.72**	**6.90**	**98.78**	**71.85**	**6.90**	**98.80**	**89.61**	**100.00**	**13.48**	**26.75**	**87.58**	**91.14**	**27.33**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	5/1/2021	5/3/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 39.02

Residential Indoor: 1,939,201; Residential Outdoor: 646,400; Non-Residential Indoor: 35,703; Non-Residential Outdoor: 11,901; Striped Parking Area: 101,983 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14,439.5546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**14,439.5546**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14,439.5546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**14,439.5546**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.5926	31.1622	73.3936	0.2487	20.7151	0.2089	20.9239	5.5522	0.1953	5.7476		25,227.6438	25,227.6438	0.9851		25,252.2701
Unmitigated	7.7573	32.2631	77.5284	0.2659	22.2504	0.2224	22.4727	5.9637	0.2080	6.1717		26,964.1691	26,964.1691	1.0371		26,990.0968

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	30.96	30.36	30.36	71,110	66,203
Congregate Care (Assisted Living)	4,488.75	4,313.25	3955.50	10,133,402	9,434,197
Health Club	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	4,519.71	4,343.61	3,985.86	10,204,512	9,500,400

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Congregate Care (Assisted	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Congregate Care (Assisted Living)	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Health Club	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Other Non-Asphalt Surfaces	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Parking Lot	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1975	1.6978	0.7924	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.4566	2,154.4566	0.0413	0.0395	2,167.2595
NaturalGas Unmitigated	0.1975	1.6978	0.7924	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.4566	2,154.4566	0.0413	0.0395	2,167.2595

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	615.551	6.6400e-003	0.0567	0.0241	3.6000e-004		4.5900e-003	4.5900e-003		4.5900e-003	4.5900e-003		72.4178	72.4178	1.3900e-003	1.3300e-003	72.8481
Congregate Care (Assisted Living)	15977.1	0.1723	1.4724	0.6266	9.4000e-003		0.1190	0.1190		0.1190	0.1190		1,879.6547	1,879.6547	0.0360	0.0345	1,890.8246
Health Club	1720.27	0.0186	0.1687	0.1417	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.3841	202.3841	3.8800e-003	3.7100e-003	203.5868
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1975**	**1.6978**	**0.7924**	**0.0108**		**0.1365**	**0.1365**		**0.1365**	**0.1365**		**2,154.4566**	**2,154.4566**	**0.0413**	**0.0395**	**2,167.2595**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	0.615551	6.6400e-003	0.0567	0.0241	3.6000e-004		4.5900e-003	4.5900e-003		4.5900e-003	4.5900e-003		72.4178	72.4178	1.3900e-003	1.3300e-003	72.8481
Congregate Care (Assisted Living)	15.9771	0.1723	1.4724	0.6266	9.4000e-003		0.1190	0.1190		0.1190	0.1190		1,879.6547	1,879.6547	0.0360	0.0345	1,890.8246
Health Club	1.72027	0.0186	0.1687	0.1417	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.3841	202.3841	3.8800e-003	3.7100e-003	203.5868
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1975**	**1.6978**	**0.7924**	**0.0108**		**0.1365**	**0.1365**		**0.1365**	**0.1365**		**2,154.4566**	**2,154.4566**	**0.0413**	**0.0395**	**2,167.2595**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	27.2451	0.6495	56.2892	2.9600e-003		0.3114	0.3114		0.3114	0.3114	0.0000	101.1497	101.1497	0.0968	0.0000	103.5690
Unmitigated	309.8049	6.8996	429.9829	0.7222		53.3071	53.3071		53.3071	53.3071	5,750.7714	2,648.0104	8,398.7817	7.9678	0.4065	8,719.1080

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.9560					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.6047					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	282.5357	6.2461	373.2855	0.7192		52.9933	52.9933		52.9933	52.9933	5,750.7714	2,545.9412	8,296.7125	7.8696	0.4065	8,614.5844
Landscaping	1.7085	0.6536	56.6974	2.9900e-003		0.3138	0.3138		0.3138	0.3138		102.0692	102.0692	0.0982		104.5235
Total	**309.8049**	**6.8996**	**429.9829**	**0.7222**		**53.3071**	**53.3071**		**53.3071**	**53.3071**	**5,750.7714**	**2,648.0104**	**8,398.7817**	**7.9678**	**0.4065**	**8,719.1080**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.9560					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.6047					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6844	0.6495	56.2892	2.9600e-003		0.3114	0.3114		0.3114	0.3114		101.1497	101.1497	0.0968		103.5690
Total	**27.2451**	**0.6495**	**56.2892**	**2.9600e-003**		**0.3114**	**0.3114**		**0.3114**	**0.3114**	**0.0000**	**101.1497**	**101.1497**	**0.0968**	**0.0000**	**103.5690**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Elnoka Village Project Unmitigated Operations (Buildout in 2023 Operational Year)

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	27.87	Acre	27.87	1,214,017.20	0
Parking Lot	11.15	Acre	11.15	485,694.00	0
Health Club	23.80	1000sqft	0.51	23,802.00	0
Condo/Townhouse	12.00	Dwelling Unit	0.13	11,037.00	31
Congregate Care (Assisted Living)	675.00	Dwelling Unit	12.38	946,593.00	928

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	290	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Elnoka Village Project Unmitigated Operations (Buildout in 2023 Operational Year) - Sonoma-San Francisco County, Winter

Project Characteristics - Elnoka Village Project Operations—Buildout in 2023 Operational Year
CO2 intensity factor based on PG&E Factors

Land Use - Based on site plan, project description, and traffic analysis

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment -

Trips and VMT - Operational run only

Architectural Coating -

Vehicle Trips - Trip generations consistent with Elnoka CCRC Project Traffic Analysis prepared by W-Trans; Consistent with ITE Manual, 9th Edition.

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Elnoka Village Project Unmitigated Operations (Buildout in 2023 Operational Year) - Sonoma-San Francisco County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	1.00
tblLandUse	LandUseSquareFeet	23,800.00	23,802.00
tblLandUse	LandUseSquareFeet	12,000.00	11,037.00
tblLandUse	LandUseSquareFeet	675,000.00	946,593.00
tblLandUse	LotAcreage	0.55	0.51
tblLandUse	LotAcreage	0.75	0.13
tblLandUse	LotAcreage	42.19	12.38
tblLandUse	Population	34.00	31.00
tblLandUse	Population	1,931.00	928.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblTripsAndVMT	WorkerTripNumber	244.00	0.00
tblVehicleTrips	ST_TR	5.67	2.53
tblVehicleTrips	ST_TR	2.20	6.39
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	4.84	2.53
tblVehicleTrips	SU_TR	2.44	5.86
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	5.81	2.58
tblVehicleTrips	WD_TR	2.74	6.65
tblVehicleTrips	WD_TR	32.93	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	14,439.5546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**14,439.5546**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	14,439.5546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**14,439.5546**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	309.8049	6.8996	429.9829	0.7222		53.3071	53.3071		53.3071	53.3071	5,750.7714	2,648.0104	8,398.7817	7.9678	0.4065	8,719.1080
Energy	0.1975	1.6978	0.7924	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.4566	2,154.4566	0.0413	0.0395	2,167.2595
Mobile	6.8057	33.9738	79.5894	0.2515	22.2504	0.2239	22.4742	5.9637	0.2094	6.1731		25,507.9852	25,507.9852	1.0625		25,534.5485
Total	**316.8081**	**42.5712**	**510.3646**	**0.9844**	**22.2504**	**53.6675**	**75.9178**	**5.9637**	**53.6530**	**59.6167**	**5,750.7714**	**30,310.4522**	**36,061.2236**	**9.0716**	**0.4460**	**36,420.9159**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	27.2451	0.6495	56.2892	2.9600e-003		0.3114	0.3114		0.3114	0.3114	0.0000	101.1497	101.1497	0.0968	0.0000	103.5690
Energy	0.1975	1.6978	0.7924	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.4566	2,154.4566	0.0413	0.0395	2,167.2595
Mobile	6.6431	32.7555	75.8415	0.2352	20.7151	0.2104	20.9254	5.5522	0.1968	5.7490		23,861.2078	23,861.2078	1.0127		23,886.5250
Total	**34.0858**	**35.1027**	**132.9230**	**0.2490**	**20.7151**	**0.6582**	**21.3733**	**5.5522**	**0.6446**	**6.1968**	**0.0000**	**26,116.8142**	**26,116.8142**	**1.1508**	**0.0395**	**26,157.3535**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**89.24**	**17.54**	**73.96**	**74.71**	**6.90**	**98.77**	**71.85**	**6.90**	**98.80**	**89.61**	**100.00**	**13.84**	**27.58**	**87.31**	**91.14**	**28.18**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	5/1/2021	5/3/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 39.02

Residential Indoor: 1,939,201; Residential Outdoor: 646,400; Non-Residential Indoor: 35,703; Non-Residential Outdoor: 11,901; Striped Parking Area: 101,983 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14,439.5546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**14,439.5546**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14,439.5546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**14,439.5546**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.6431	32.7555	75.8415	0.2352	20.7151	0.2104	20.9254	5.5522	0.1968	5.7490		23,861.2078	23,861.2078	1.0127		23,886.5250
Unmitigated	6.8057	33.9738	79.5894	0.2515	22.2504	0.2239	22.4742	5.9637	0.2094	6.1731		25,507.9852	25,507.9852	1.0625		25,534.5485

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	30.96	30.36	30.36	71,110	66,203
Congregate Care (Assisted Living)	4,488.75	4,313.25	3955.50	10,133,402	9,434,197
Health Club	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	4,519.71	4,343.61	3,985.86	10,204,512	9,500,400

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Congregate Care (Assisted	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Congregate Care (Assisted Living)	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Health Club	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Other Non-Asphalt Surfaces	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Parking Lot	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1975	1.6978	0.7924	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.4566	2,154.4566	0.0413	0.0395	2,167.2595
NaturalGas Unmitigated	0.1975	1.6978	0.7924	0.0108		0.1365	0.1365		0.1365	0.1365		2,154.4566	2,154.4566	0.0413	0.0395	2,167.2595

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	615.551	6.6400e-003	0.0567	0.0241	3.6000e-004		4.5900e-003	4.5900e-003		4.5900e-003	4.5900e-003		72.4178	72.4178	1.3900e-003	1.3300e-003	72.8481
Congregate Care (Assisted Living)	15977.1	0.1723	1.4724	0.6266	9.4000e-003		0.1190	0.1190		0.1190	0.1190		1,879.6547	1,879.6547	0.0360	0.0345	1,890.8246
Health Club	1720.27	0.0186	0.1687	0.1417	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.3841	202.3841	3.8800e-003	3.7100e-003	203.5868
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1975**	**1.6978**	**0.7924**	**0.0108**		**0.1365**	**0.1365**		**0.1365**	**0.1365**		**2,154.4566**	**2,154.4566**	**0.0413**	**0.0395**	**2,167.2595**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	0.615551	6.6400e-003	0.0567	0.0241	3.6000e-004		4.5900e-003	4.5900e-003		4.5900e-003	4.5900e-003		72.4178	72.4178	1.3900e-003	1.3300e-003	72.8481
Congregate Care (Assisted Living)	15.9771	0.1723	1.4724	0.6266	9.4000e-003		0.1190	0.1190		0.1190	0.1190		1,879.6547	1,879.6547	0.0360	0.0345	1,890.8246
Health Club	1.72027	0.0186	0.1687	0.1417	1.0100e-003		0.0128	0.0128		0.0128	0.0128		202.3841	202.3841	3.8800e-003	3.7100e-003	203.5868
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1975**	**1.6978**	**0.7924**	**0.0108**		**0.1365**	**0.1365**		**0.1365**	**0.1365**		**2,154.4566**	**2,154.4566**	**0.0413**	**0.0395**	**2,167.2595**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	27.2451	0.6495	56.2892	2.9600e-003		0.3114	0.3114		0.3114	0.3114	0.0000	101.1497	101.1497	0.0968	0.0000	103.5690
Unmitigated	309.8049	6.8996	429.9829	0.7222		53.3071	53.3071		53.3071	53.3071	5,750.7714	2,648.0104	8,398.7817	7.9678	0.4065	8,719.1080

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.9560					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.6047					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	282.5357	6.2461	373.2855	0.7192		52.9933	52.9933		52.9933	52.9933	5,750.7714	2,545.9412	8,296.7125	7.8696	0.4065	8,614.5844
Landscaping	1.7085	0.6536	56.6974	2.9900e-003		0.3138	0.3138		0.3138	0.3138		102.0692	102.0692	0.0982		104.5235
Total	**309.8049**	**6.8996**	**429.9829**	**0.7222**		**53.3071**	**53.3071**		**53.3071**	**53.3071**	**5,750.7714**	**2,648.0104**	**8,398.7817**	**7.9678**	**0.4065**	**8,719.1080**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.9560					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	21.6047					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6844	0.6495	56.2892	2.9600e-003		0.3114	0.3114		0.3114	0.3114		101.1497	101.1497	0.0968		103.5690
Total	**27.2451**	**0.6495**	**56.2892**	**2.9600e-003**		**0.3114**	**0.3114**		**0.3114**	**0.3114**	**0.0000**	**101.1497**	**101.1497**	**0.0968**	**0.0000**	**103.5690**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Elnoka Village Project Unmitigated Operations (2030 Operational Year)

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	27.87	Acre	27.87	1,214,017.20	0
Parking Lot	11.15	Acre	11.15	485,694.00	0
Health Club	23.80	1000sqft	0.51	23,802.00	0
Condo/Townhouse	12.00	Dwelling Unit	0.13	11,037.00	31
Congregate Care (Assisted Living)	675.00	Dwelling Unit	12.38	946,593.00	928

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	290	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project Operations—2030 Operational Year
CO2 intensity factor based on PG&E Factors

Land Use - Based on site plan, project description, and traffic analysis

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Off-road Equipment -

Trips and VMT - Operational run only

Architectural Coating -

Vehicle Trips - Trip generations consistent with Elnoka CCRC Project Traffic Analysis prepared by W-Trans; Consistent with ITE Manual, 9th Edition.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Fleet Mix -

Elnoka Village Project Unmitigated Operations (2030 Operational Year) - Sonoma-San Francisco County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	1.00
tblLandUse	LandUseSquareFeet	23,800.00	23,802.00
tblLandUse	LandUseSquareFeet	12,000.00	11,037.00
tblLandUse	LandUseSquareFeet	675,000.00	946,593.00
tblLandUse	LotAcreage	0.55	0.51
tblLandUse	LotAcreage	0.75	0.13
tblLandUse	LotAcreage	42.19	12.38
tblLandUse	Population	34.00	31.00
tblLandUse	Population	1,931.00	928.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblTripsAndVMT	WorkerTripNumber	244.00	0.00
tblVehicleTrips	ST_TR	5.67	2.53
tblVehicleTrips	ST_TR	2.20	6.39
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	4.84	2.53
tblVehicleTrips	SU_TR	2.44	5.86
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	5.81	2.58
tblVehicleTrips	WD_TR	2.74	6.65
tblVehicleTrips	WD_TR	32.93	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum											**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum											**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Elnoka Village Project Unmitigated Operations (2030 Operational Year) - Sonoma-San Francisco County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											31.3201	21.1983	52.5184	0.0583	2.0500e-003	54.5875
Energy											0.0000	779.4407	779.4407	0.0491	0.0153	785.2236
Mobile											0.0000	3,463.6367	3,463.6367	0.1209	0.0000	3,466.6602
Waste											153.6885	0.0000	153.6885	9.0827	0.0000	380.7568
Water											14.6471	46.2504	60.8975	1.5090	0.0365	109.4939
Total											**199.6558**	**4,310.5261**	**4,510.1819**	**10.8201**	**0.0538**	**4,796.7220**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	8.2585	8.2585	7.8300e-003	0.0000	8.4542
Energy											0.0000	779.4407	779.4407	0.0491	0.0153	785.2236
Mobile											0.0000	3,242.6307	3,242.6307	0.1153	0.0000	3,245.5125
Waste											153.6885	0.0000	153.6885	9.0827	0.0000	380.7568
Water											11.7177	37.0004	48.7180	1.2072	0.0292	87.5951
Total											**165.4062**	**4,067.3302**	**4,232.7364**	**10.4622**	**0.0445**	**4,507.5423**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**17.15**	**5.64**	**6.15**	**3.31**	**17.37**	**6.03**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	5/1/2021	5/3/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 39.02

Residential Indoor: 1,939,201; Residential Outdoor: 646,400; Non-Residential Indoor: 35,703; Non-Residential Outdoor: 11,901; Striped Parking Area: 101,983 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	0.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	3,242.6307	3,242.6307	0.1153	0.0000	3,245.5125
Unmitigated											0.0000	3,463.6367	3,463.6367	0.1209	0.0000	3,466.6602

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	30.96	30.36	30.36	71,110	66,203
Congregate Care (Assisted Living)	4,488.75	4,313.25	3955.50	10,133,402	9,434,197
Health Club	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	4,519.71	4,343.61	3,985.86	10,204,512	9,500,400

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Congregate Care (Assisted	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.625329	0.031298	0.162135	0.089092	0.014618	0.004632	0.032111	0.030354	0.003196	0.001373	0.004305	0.000897	0.000662
Congregate Care (Assisted Living)	0.625329	0.031298	0.162135	0.089092	0.014618	0.004632	0.032111	0.030354	0.003196	0.001373	0.004305	0.000897	0.000662
Health Club	0.625329	0.031298	0.162135	0.089092	0.014618	0.004632	0.032111	0.030354	0.003196	0.001373	0.004305	0.000897	0.000662
Other Non-Asphalt Surfaces	0.625329	0.031298	0.162135	0.089092	0.014618	0.004632	0.032111	0.030354	0.003196	0.001373	0.004305	0.000897	0.000662
Parking Lot	0.625329	0.031298	0.162135	0.089092	0.014618	0.004632	0.032111	0.030354	0.003196	0.001373	0.004305	0.000897	0.000662

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Elnoka Village Project Unmitigated Operations (2030 Operational Year) - Sonoma-San Francisco County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated											0.0000	422.7462	422.7462	0.0423	8.7500e-003	426.4095
Electricity Unmitigated											0.0000	422.7462	422.7462	0.0423	8.7500e-003	426.4095
NaturalGas Mitigated											0.0000	356.6945	356.6945	6.8400e-003	6.5400e-003	358.8141
NaturalGas Unmitigated											0.0000	356.6945	356.6945	6.8400e-003	6.5400e-003	358.8141

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	224676											0.0000	11.9896	11.9896	2.3000e-004	2.2000e-004	12.0608
Congregate Care (Assisted Living)	5.83163e+006											0.0000	311.1979	311.1979	5.9600e-003	5.7100e-003	313.0472
Health Club	627897											0.0000	33.5070	33.5070	6.4000e-004	6.1000e-004	33.7061
Other Non-Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total												**0.0000**	**356.6945**	**356.6945**	**6.8300e-003**	**6.5400e-003**	**358.8141**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	224676											0.0000	11.9896	11.9896	2.3000e-004	2.2000e-004	12.0608
Congregate Care (Assisted Living)	5.83163e+006											0.0000	311.1979	311.1979	5.9600e-003	5.7100e-003	313.0472
Health Club	627897											0.0000	33.5070	33.5070	6.4000e-004	6.1000e-004	33.7061
Other Non-Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total												**0.0000**	**356.6945**	**356.6945**	**6.8300e-003**	**6.5400e-003**	**358.8141**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	60545.2	7.9642	8.0000e-004	1.6000e-004	8.0332
Congregate Care (Assisted Living)	2.78664e+006	366.5591	0.0367	7.5800e-003	369.7355
Health Club	196605	25.8617	2.5900e-003	5.4000e-004	26.0858
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	169993	22.3612	2.2400e-003	4.6000e-004	22.5549
Total		**422.7462**	**0.0423**	**8.7400e-003**	**426.4095**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	60545.2	7.9642	8.0000e-004	1.6000e-004	8.0332
Congregate Care (Assisted Living)	2.78664e+006	366.5591	0.0367	7.5800e-003	369.7355
Health Club	196605	25.8617	2.5900e-003	5.4000e-004	26.0858
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	169993	22.3612	2.2400e-003	4.6000e-004	22.5549
Total		**422.7462**	**0.0423**	**8.7400e-003**	**426.4095**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	8.2585	8.2585	7.8300e-003	0.0000	8.4542
Unmitigated											31.3201	21.1983	52.5184	0.0583	2.0500e-003	54.5875

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth											31.3201	12.8647	44.1848	0.0503	2.0500e-003	46.0553
Landscaping											0.0000	8.3336	8.3336	7.9400e-003	0.0000	8.5322
Total											**31.3201**	**21.1983**	**52.5184**	**0.0583**	**2.0500e-003**	**54.5875**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	8.2585	8.2585	7.8300e-003	0.0000	8.4542
Total											**0.0000**	**8.2585**	**8.2585**	**7.8300e-003**	**0.0000**	**8.4542**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	48.7180	1.2072	0.0292	87.5951
Unmitigated	60.8975	1.5090	0.0365	109.4939

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	0.781848 / 0.492904	1.0315	0.0256	6.2000e-004	1.8544
Congregate Care (Assisted Living)	43.979 / 27.7259	58.0204	1.4375	0.0348	104.3123
Health Club	1.40761 / 0.862727	1.8457	0.0460	1.1100e-003	3.3272
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**60.8975**	**1.5090**	**0.0365**	**109.4939**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	0.625479 / 0.394323	0.8252	0.0204	4.9000e-004	1.4836
Congregate Care (Assisted Living)	35.1832 / 22.1807	46.4163	1.1500	0.0278	83.4498
Health Club	1.12609 / 0.690181	1.4765	0.0368	8.9000e-004	2.6618
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**48.7180**	**1.2072**	**0.0292**	**87.5951**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	153.6885	9.0827	0.0000	380.7568
Unmitigated	153.6885	9.0827	0.0000	380.7568

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	5.52	1.1205	0.0662	0.0000	2.7760
Congregate Care (Assisted Living)	615.94	125.0303	7.3891	0.0000	309.7572
Health Club	135.66	27.5378	1.6274	0.0000	68.2236
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**153.6885**	**9.0827**	**0.0000**	**380.7568**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	5.52	1.1205	0.0662	0.0000	2.7760
Congregate Care (Assisted Living)	615.94	125.0303	7.3891	0.0000	309.7572
Health Club	135.66	27.5378	1.6274	0.0000	68.2236
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**153.6885**	**9.0827**	**0.0000**	**380.7568**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Elnoka Village Project - Unmitigated Construction - Phase 1

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	27.87	Acre	27.87	1,214,017.20	0
Parking Lot	11.15	Acre	11.15	485,694.00	0
Health Club	23.80	1000sqft	0.51	23,802.00	0
Apartments Low Rise	54.00	Dwelling Unit	8.54	76,090.10	154
Condo/Townhouse	12.00	Dwelling Unit	0.13	11,037.00	34
Congregate Care (Assisted Living)	62.00	Dwelling Unit	0.82	71,140.00	177
Single Family Housing	74.00	Dwelling Unit	3.02	131,461.00	212

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 1

Land Use - Based on site plan and project description - site work and grading for the entire site

Construction Phase - Expected construction schedule

Grading - 52.04 acres to be disturbed; material expected to be balanced onsite

Demolition - Existing structures and hardscape to be demolished

Vehicle Trips - Construction run only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	1,110.00	313.00
tblConstructionPhase	NumDays	70.00	13.00
tblConstructionPhase	NumDays	110.00	79.00
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	40.00	13.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	1/1/2024	11/30/2021
tblConstructionPhase	PhaseEndDate	6/5/2023	9/30/2021
tblConstructionPhase	PhaseEndDate	8/6/2018	6/15/2020
tblConstructionPhase	PhaseEndDate	3/4/2019	9/30/2020
tblConstructionPhase	PhaseEndDate	9/18/2023	10/31/2021
tblConstructionPhase	PhaseEndDate	10/1/2018	6/30/2020
tblConstructionPhase	PhaseStartDate	9/19/2023	11/1/2021
tblConstructionPhase	PhaseStartDate	3/5/2019	10/1/2020
tblConstructionPhase	PhaseStartDate	5/1/2018	6/1/2020
tblConstructionPhase	PhaseStartDate	10/2/2018	7/1/2020
tblConstructionPhase	PhaseStartDate	6/6/2023	10/1/2021
tblConstructionPhase	PhaseStartDate	8/7/2018	6/16/2020
tblGrading	AcresOfGrading	197.50	52.04
tblLandUse	BuildingSpaceSquareFeet	23,800.00	23,802.00
tblLandUse	BuildingSpaceSquareFeet	54,000.00	76,090.10
tblLandUse	BuildingSpaceSquareFeet	12,000.00	11,037.00

tblLandUse	BuildingSpaceSquareFeet	62,000.00	71,140.00
tblLandUse	BuildingSpaceSquareFeet	133,200.00	131,461.00
tblLandUse	LandUseSquareFeet	23,800.00	23,802.00
tblLandUse	LandUseSquareFeet	54,000.00	76,090.10
tblLandUse	LandUseSquareFeet	12,000.00	11,037.00
tblLandUse	LandUseSquareFeet	62,000.00	71,140.00
tblLandUse	LandUseSquareFeet	133,200.00	131,461.00
tblLandUse	LotAcreage	0.55	0.51
tblLandUse	LotAcreage	3.38	8.54
tblLandUse	LotAcreage	0.75	0.13
tblLandUse	LotAcreage	3.88	0.82
tblLandUse	LotAcreage	24.03	3.02
tblProjectCharacteristics	OperationalYear	2018	2020

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.5194	4.8301	3.7754	0.0101	0.7599	0.1651	0.9250	0.2972	0.1531	0.4504	0.0000	917.5821	917.5821	0.1338	0.0000	920.9280
2021	3.3340	6.4118	6.2846	0.0207	1.0234	0.1381	1.1615	0.2777	0.1298	0.4075	0.0000	1,912.9459	1,912.9459	0.1518	0.0000	1,916.7411
Maximum	**3.3340**	**6.4118**	**6.2846**	**0.0207**	**1.0234**	**0.1651**	**1.1615**	**0.2972**	**0.1531**	**0.4504**	**0.0000**	**1,912.9459**	**1,912.9459**	**0.1518**	**0.0000**	**1,916.7411**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.5194	4.8301	3.7754	0.0101	0.5340	0.1651	0.6991	0.1859	0.1531	0.3390	0.0000	917.5817	917.5817	0.1338	0.0000	920.9276
2021	3.3340	6.4118	6.2846	0.0207	1.0234	0.1381	1.1615	0.2777	0.1298	0.4075	0.0000	1,912.9456	1,912.9456	0.1518	0.0000	1,916.7407
Maximum	**3.3340**	**6.4118**	**6.2846**	**0.0207**	**1.0234**	**0.1651**	**1.1615**	**0.2777**	**0.1531**	**0.4075**	**0.0000**	**1,912.9456**	**1,912.9456**	**0.1518**	**0.0000**	**1,916.7407**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**12.67**	**0.00**	**10.83**	**19.37**	**0.00**	**12.98**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
9	**5-1-2020**	**7-31-2020**	1.3013	1.3013
10	**8-1-2020**	**10-31-2020**	2.3194	2.3194
11	**11-1-2020**	**1-31-2021**	2.5474	2.5474
12	**2-1-2021**	**4-30-2021**	2.2894	2.2894
13	**5-1-2021**	**7-31-2021**	2.3349	2.3349
14	**8-1-2021**	**9-30-2021**	1.5482	1.5482
		Highest	2.5474	2.5474

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/15/2020	6	13	
2	Site Preparation	Site Preparation	6/16/2020	6/30/2020	6	13	
3	Grading	Grading	7/1/2020	9/30/2020	6	79	
4	Building Construction	Building Construction	10/1/2020	9/30/2021	6	313	
5	Paving	Paving	10/1/2021	10/31/2021	6	26	
6	Architectural Coating	Architectural Coating	11/1/2021	11/30/2021	6	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 52.04

Acres of Paving: 39.02

Residential Indoor: 586,699; Residential Outdoor: 195,566; Non-Residential Indoor: 35,703; Non-Residential Outdoor: 11,901; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	257.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	843.00	304.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	169.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0278	0.0000	0.0278	4.2100e-003	0.0000	4.2100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0215	0.2158	0.1414	2.5000e-004		0.0108	0.0108		0.0100	0.0100	0.0000	22.0991	22.0991	6.2400e-003	0.0000	22.2551
Total	**0.0215**	**0.2158**	**0.1414**	**2.5000e-004**	**0.0278**	**0.0108**	**0.0386**	**4.2100e-003**	**0.0100**	**0.0142**	**0.0000**	**22.0991**	**22.0991**	**6.2400e-003**	**0.0000**	**22.2551**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0200e-003	0.0380	7.7300e-003	1.0000e-004	2.1300e-003	1.4000e-004	2.2700e-003	5.8000e-004	1.3000e-004	7.1000e-004	0.0000	9.8990	9.8990	6.1000e-004	0.0000	9.9141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.4000e-004	3.4000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.7049	0.7049	3.0000e-005	0.0000	0.7055
Total	**1.4800e-003**	**0.0383**	**0.0111**	**1.1000e-004**	**2.9000e-003**	**1.5000e-004**	**3.0400e-003**	**7.8000e-004**	**1.4000e-004**	**9.2000e-004**	**0.0000**	**10.6038**	**10.6038**	**6.4000e-004**	**0.0000**	**10.6197**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0125	0.0000	0.0125	1.9000e-003	0.0000	1.9000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0215	0.2158	0.1414	2.5000e-004		0.0108	0.0108		0.0100	0.0100	0.0000	22.0991	22.0991	6.2400e-003	0.0000	22.2550
Total	**0.0215**	**0.2158**	**0.1414**	**2.5000e-004**	**0.0125**	**0.0108**	**0.0233**	**1.9000e-003**	**0.0100**	**0.0119**	**0.0000**	**22.0991**	**22.0991**	**6.2400e-003**	**0.0000**	**22.2550**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0200e-003	0.0380	7.7300e-003	1.0000e-004	2.1300e-003	1.4000e-004	2.2700e-003	5.8000e-004	1.3000e-004	7.1000e-004	0.0000	9.8990	9.8990	6.1000e-004	0.0000	9.9141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.4000e-004	3.4000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.7049	0.7049	3.0000e-005	0.0000	0.7055
Total	**1.4800e-003**	**0.0383**	**0.0111**	**1.1000e-004**	**2.9000e-003**	**1.5000e-004**	**3.0400e-003**	**7.8000e-004**	**1.4000e-004**	**9.2000e-004**	**0.0000**	**10.6038**	**10.6038**	**6.4000e-004**	**0.0000**	**10.6197**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1174	0.0000	0.1174	0.0646	0.0000	0.0646	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0265	0.2757	0.1398	2.5000e-004		0.0143	0.0143		0.0131	0.0131	0.0000	21.7299	21.7299	7.0300e-003	0.0000	21.9056
Total	**0.0265**	**0.2757**	**0.1398**	**2.5000e-004**	**0.1174**	**0.0143**	**0.1317**	**0.0646**	**0.0131**	**0.0777**	**0.0000**	**21.7299**	**21.7299**	**7.0300e-003**	**0.0000**	**21.9056**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	4.1000e-004	4.0800e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8459	0.8459	3.0000e-005	0.0000	0.8466
Total	**5.6000e-004**	**4.1000e-004**	**4.0800e-003**	**1.0000e-005**	**9.2000e-004**	**1.0000e-005**	**9.3000e-004**	**2.4000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.8459**	**0.8459**	**3.0000e-005**	**0.0000**	**0.8466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0528	0.0000	0.0528	0.0291	0.0000	0.0291	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0265	0.2757	0.1398	2.5000e-004		0.0143	0.0143		0.0131	0.0131	0.0000	21.7299	21.7299	7.0300e-003	0.0000	21.9056
Total	**0.0265**	**0.2757**	**0.1398**	**2.5000e-004**	**0.0528**	**0.0143**	**0.0671**	**0.0291**	**0.0131**	**0.0422**	**0.0000**	**21.7299**	**21.7299**	**7.0300e-003**	**0.0000**	**21.9056**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	4.1000e-004	4.0800e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8459	0.8459	3.0000e-005	0.0000	0.8466
Total	**5.6000e-004**	**4.1000e-004**	**4.0800e-003**	**1.0000e-005**	**9.2000e-004**	**1.0000e-005**	**9.3000e-004**	**2.4000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.8459**	**0.8459**	**3.0000e-005**	**0.0000**	**0.8466**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2655	0.0000	0.2655	0.1337	0.0000	0.1337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.9828	1.2624	2.4500e-003		0.0859	0.0859		0.0790	0.0790	0.0000	215.2130	215.2130	0.0696	0.0000	216.9531
Total	**0.1758**	**1.9828**	**1.2624**	**2.4500e-003**	**0.2655**	**0.0859**	**0.3513**	**0.1337**	**0.0790**	**0.2127**	**0.0000**	**215.2130**	**215.2130**	**0.0696**	**0.0000**	**216.9531**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7700e-003	2.7400e-003	0.0275	6.0000e-005	6.2000e-003	5.0000e-005	6.2500e-003	1.6500e-003	5.0000e-005	1.7000e-003	0.0000	5.7114	5.7114	2.1000e-004	0.0000	5.7166
Total	**3.7700e-003**	**2.7400e-003**	**0.0275**	**6.0000e-005**	**6.2000e-003**	**5.0000e-005**	**6.2500e-003**	**1.6500e-003**	**5.0000e-005**	**1.7000e-003**	**0.0000**	**5.7114**	**5.7114**	**2.1000e-004**	**0.0000**	**5.7166**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1195	0.0000	0.1195	0.0602	0.0000	0.0602	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.9828	1.2624	2.4500e-003		0.0859	0.0859		0.0790	0.0790	0.0000	215.2127	215.2127	0.0696	0.0000	216.9528
Total	**0.1758**	**1.9828**	**1.2624**	**2.4500e-003**	**0.1195**	**0.0859**	**0.2053**	**0.0602**	**0.0790**	**0.1392**	**0.0000**	**215.2127**	**215.2127**	**0.0696**	**0.0000**	**216.9528**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7700e-003	2.7400e-003	0.0275	6.0000e-005	6.2000e-003	5.0000e-005	6.2500e-003	1.6500e-003	5.0000e-005	1.7000e-003	0.0000	5.7114	5.7114	2.1000e-004	0.0000	5.7166
Total	**3.7700e-003**	**2.7400e-003**	**0.0275**	**6.0000e-005**	**6.2000e-003**	**5.0000e-005**	**6.2500e-003**	**1.6500e-003**	**5.0000e-005**	**1.7000e-003**	**0.0000**	**5.7114**	**5.7114**	**2.1000e-004**	**0.0000**	**5.7166**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0837	0.7579	0.6655	1.0600e-003		0.0441	0.0441		0.0415	0.0415	0.0000	91.4859	91.4859	0.0223	0.0000	92.0439
Total	**0.0837**	**0.7579**	**0.6655**	**1.0600e-003**		**0.0441**	**0.0441**		**0.0415**	**0.0415**	**0.0000**	**91.4859**	**91.4859**	**0.0223**	**0.0000**	**92.0439**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0473	1.4410	0.3638	3.2000e-003	0.0779	7.6700e-003	0.0855	0.0225	7.3400e-003	0.0298	0.0000	309.1574	309.1574	0.0189	0.0000	309.6309
Worker	0.1588	0.1154	1.1598	2.6700e-003	0.2613	2.1300e-003	0.2635	0.0696	1.9600e-003	0.0715	0.0000	240.7357	240.7357	8.8300e-003	0.0000	240.9565
Total	**0.2060**	**1.5565**	**1.5236**	**5.8700e-003**	**0.3392**	**9.8000e-003**	**0.3490**	**0.0921**	**9.3000e-003**	**0.1014**	**0.0000**	**549.8931**	**549.8931**	**0.0278**	**0.0000**	**550.5874**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0837	0.7579	0.6655	1.0600e-003		0.0441	0.0441		0.0415	0.0415	0.0000	91.4858	91.4858	0.0223	0.0000	92.0438
Total	**0.0837**	**0.7579**	**0.6655**	**1.0600e-003**		**0.0441**	**0.0441**		**0.0415**	**0.0415**	**0.0000**	**91.4858**	**91.4858**	**0.0223**	**0.0000**	**92.0438**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0473	1.4410	0.3638	3.2000e-003	0.0779	7.6700e-003	0.0855	0.0225	7.3400e-003	0.0298	0.0000	309.1574	309.1574	0.0189	0.0000	309.6309
Worker	0.1588	0.1154	1.1598	2.6700e-003	0.2613	2.1300e-003	0.2635	0.0696	1.9600e-003	0.0715	0.0000	240.7357	240.7357	8.8300e-003	0.0000	240.9565
Total	**0.2060**	**1.5565**	**1.5236**	**5.8700e-003**	**0.3392**	**9.8000e-003**	**0.3490**	**0.0921**	**9.3000e-003**	**0.1014**	**0.0000**	**549.8931**	**549.8931**	**0.0278**	**0.0000**	**550.5874**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2224	2.0396	1.9393	3.1500e-003		0.1122	0.1122		0.1055	0.1055	0.0000	271.0156	271.0156	0.0654	0.0000	272.6502
Total	**0.2224**	**2.0396**	**1.9393**	**3.1500e-003**		**0.1122**	**0.1122**		**0.1055**	**0.1055**	**0.0000**	**271.0156**	**271.0156**	**0.0654**	**0.0000**	**272.6502**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1130	3.8724	0.9481	9.3900e-003	0.2306	9.7200e-003	0.2403	0.0666	9.2900e-003	0.0759	0.0000	907.4880	907.4880	0.0539	0.0000	908.8361
Worker	0.4361	0.3047	3.1077	7.6200e-003	0.7741	6.0500e-003	0.7801	0.2060	5.5800e-003	0.2116	0.0000	688.3975	688.3975	0.0233	0.0000	688.9797
Total	**0.5491**	**4.1770**	**4.0558**	**0.0170**	**1.0046**	**0.0158**	**1.0204**	**0.2727**	**0.0149**	**0.2875**	**0.0000**	**1,595.8855**	**1,595.8855**	**0.0772**	**0.0000**	**1,597.8158**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2224	2.0396	1.9393	3.1500e-003		0.1122	0.1122		0.1055	0.1055	0.0000	271.0153	271.0153	0.0654	0.0000	272.6499
Total	**0.2224**	**2.0396**	**1.9393**	**3.1500e-003**		**0.1122**	**0.1122**		**0.1055**	**0.1055**	**0.0000**	**271.0153**	**271.0153**	**0.0654**	**0.0000**	**272.6499**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1130	3.8724	0.9481	9.3900e-003	0.2306	9.7200e-003	0.2403	0.0666	9.2900e-003	0.0759	0.0000	907.4880	907.4880	0.0539	0.0000	908.8361
Worker	0.4361	0.3047	3.1077	7.6200e-003	0.7741	6.0500e-003	0.7801	0.2060	5.5800e-003	0.2116	0.0000	688.3975	688.3975	0.0233	0.0000	688.9797
Total	**0.5491**	**4.1770**	**4.0558**	**0.0170**	**1.0046**	**0.0158**	**1.0204**	**0.2727**	**0.0149**	**0.2875**	**0.0000**	**1,595.8855**	**1,595.8855**	**0.0772**	**0.0000**	**1,597.8158**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0163	0.1680	0.1905	3.0000e-004		8.8100e-003	8.8100e-003		8.1100e-003	8.1100e-003	0.0000	26.0305	26.0305	8.4200e-003	0.0000	26.2410
Paving	0.0146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0309**	**0.1680**	**0.1905**	**3.0000e-004**		**8.8100e-003**	**8.8100e-003**		**8.1100e-003**	**8.1100e-003**	**0.0000**	**26.0305**	**26.0305**	**8.4200e-003**	**0.0000**	**26.2410**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	6.0000e-004	6.1400e-003	2.0000e-005	1.5300e-003	1.0000e-005	1.5400e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.3610	1.3610	5.0000e-005	0.0000	1.3622
Total	**8.6000e-004**	**6.0000e-004**	**6.1400e-003**	**2.0000e-005**	**1.5300e-003**	**1.0000e-005**	**1.5400e-003**	**4.1000e-004**	**1.0000e-005**	**4.2000e-004**	**0.0000**	**1.3610**	**1.3610**	**5.0000e-005**	**0.0000**	**1.3622**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0163	0.1680	0.1905	3.0000e-004		8.8100e-003	8.8100e-003		8.1100e-003	8.1100e-003	0.0000	26.0305	26.0305	8.4200e-003	0.0000	26.2410
Paving	0.0146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0309**	**0.1680**	**0.1905**	**3.0000e-004**		**8.8100e-003**	**8.8100e-003**		**8.1100e-003**	**8.1100e-003**	**0.0000**	**26.0305**	**26.0305**	**8.4200e-003**	**0.0000**	**26.2410**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	6.0000e-004	6.1400e-003	2.0000e-005	1.5300e-003	1.0000e-005	1.5400e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.3610	1.3610	5.0000e-005	0.0000	1.3622
Total	**8.6000e-004**	**6.0000e-004**	**6.1400e-003**	**2.0000e-005**	**1.5300e-003**	**1.0000e-005**	**1.5400e-003**	**4.1000e-004**	**1.0000e-005**	**4.2000e-004**	**0.0000**	**1.3610**	**1.3610**	**5.0000e-005**	**0.0000**	**1.3622**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.5181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8500e-003	0.0199	0.0236	4.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	3.3192	3.3192	2.3000e-004	0.0000	3.3249
Total	**2.5210**	**0.0199**	**0.0236**	**4.0000e-005**		**1.2200e-003**	**1.2200e-003**		**1.2200e-003**	**1.2200e-003**	**0.0000**	**3.3192**	**3.3192**	**2.3000e-004**	**0.0000**	**3.3249**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7100e-003	6.7900e-003	0.0692	1.7000e-004	0.0172	1.3000e-004	0.0174	4.5900e-003	1.2000e-004	4.7100e-003	0.0000	15.3340	15.3340	5.2000e-004	0.0000	15.3470
Total	**9.7100e-003**	**6.7900e-003**	**0.0692**	**1.7000e-004**	**0.0172**	**1.3000e-004**	**0.0174**	**4.5900e-003**	**1.2000e-004**	**4.7100e-003**	**0.0000**	**15.3340**	**15.3340**	**5.2000e-004**	**0.0000**	**15.3470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.5181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8500e-003	0.0199	0.0236	4.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	3.3192	3.3192	2.3000e-004	0.0000	3.3249
Total	**2.5210**	**0.0199**	**0.0236**	**4.0000e-005**		**1.2200e-003**	**1.2200e-003**		**1.2200e-003**	**1.2200e-003**	**0.0000**	**3.3192**	**3.3192**	**2.3000e-004**	**0.0000**	**3.3249**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7100e-003	6.7900e-003	0.0692	1.7000e-004	0.0172	1.3000e-004	0.0174	4.5900e-003	1.2000e-004	4.7100e-003	0.0000	15.3340	15.3340	5.2000e-004	0.0000	15.3470
Total	**9.7100e-003**	**6.7900e-003**	**0.0692**	**1.7000e-004**	**0.0172**	**1.3000e-004**	**0.0174**	**4.5900e-003**	**1.2000e-004**	**4.7100e-003**	**0.0000**	**15.3340**	**15.3340**	**5.2000e-004**	**0.0000**	**15.3470**

Elnoka Village Project - Unmitigated Construction - Phase 1

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	27.87	Acre	27.87	1,214,017.20	0
Parking Lot	11.15	Acre	11.15	485,694.00	0
Health Club	23.80	1000sqft	0.51	23,802.00	0
Apartments Low Rise	54.00	Dwelling Unit	8.54	76,090.10	154
Condo/Townhouse	12.00	Dwelling Unit	0.13	11,037.00	34
Congregate Care (Assisted Living)	62.00	Dwelling Unit	0.82	71,140.00	177
Single Family Housing	74.00	Dwelling Unit	3.02	131,461.00	212

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 1

Land Use - Based on site plan and project description - site work and grading for the entire site

Construction Phase - Expected construction schedule

Grading - 52.04 acres to be disturbed; material expected to be balanced onsite

Demolition - Existing structures and hardscape to be demolished

Vehicle Trips - Construction run only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	1,110.00	313.00
tblConstructionPhase	NumDays	70.00	13.00
tblConstructionPhase	NumDays	110.00	79.00
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	40.00	13.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	1/1/2024	11/30/2021
tblConstructionPhase	PhaseEndDate	6/5/2023	9/30/2021
tblConstructionPhase	PhaseEndDate	8/6/2018	6/15/2020
tblConstructionPhase	PhaseEndDate	3/4/2019	9/30/2020
tblConstructionPhase	PhaseEndDate	9/18/2023	10/31/2021
tblConstructionPhase	PhaseEndDate	10/1/2018	6/30/2020
tblConstructionPhase	PhaseStartDate	9/19/2023	11/1/2021
tblConstructionPhase	PhaseStartDate	3/5/2019	10/1/2020
tblConstructionPhase	PhaseStartDate	5/1/2018	6/1/2020
tblConstructionPhase	PhaseStartDate	10/2/2018	7/1/2020
tblConstructionPhase	PhaseStartDate	6/6/2023	10/1/2021
tblConstructionPhase	PhaseStartDate	8/7/2018	6/16/2020
tblGrading	AcresOfGrading	197.50	52.04
tblLandUse	BuildingSpaceSquareFeet	23,800.00	23,802.00
tblLandUse	BuildingSpaceSquareFeet	54,000.00	76,090.10
tblLandUse	BuildingSpaceSquareFeet	12,000.00	11,037.00

tblLandUse	BuildingSpaceSquareFeet	62,000.00	71,140.00
tblLandUse	BuildingSpaceSquareFeet	133,200.00	131,461.00
tblLandUse	LandUseSquareFeet	23,800.00	23,802.00
tblLandUse	LandUseSquareFeet	54,000.00	76,090.10
tblLandUse	LandUseSquareFeet	12,000.00	11,037.00
tblLandUse	LandUseSquareFeet	62,000.00	71,140.00
tblLandUse	LandUseSquareFeet	133,200.00	131,461.00
tblLandUse	LotAcreage	0.55	0.51
tblLandUse	LotAcreage	3.38	8.54
tblLandUse	LotAcreage	0.75	0.13
tblLandUse	LotAcreage	3.88	0.82
tblLandUse	LotAcreage	24.03	3.02
tblProjectCharacteristics	OperationalYear	2018	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	7.4133	57.8837	56.4714	0.1806	18.2141	2.1986	20.4127	9.9699	2.0227	11.9926	0.0000	18,408.1667	18,408.1667	1.9485	0.0000	18,442.9413
2021	194.6886	52.5512	52.2436	0.1773	8.9710	1.0918	10.0628	2.4249	1.0269	3.4518	0.0000	18,083.6900	18,083.6900	1.3362	0.0000	18,117.0953
Maximum	**194.6886**	**57.8837**	**56.4714**	**0.1806**	**18.2141**	**2.1986**	**20.4127**	**9.9699**	**2.0227**	**11.9926**	**0.0000**	**18,408.1667**	**18,408.1667**	**1.9485**	**0.0000**	**18,442.9413**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	7.4133	57.8837	56.4714	0.1806	8.9713	2.1986	10.4763	4.5080	2.0227	6.5307	0.0000	18,408.1667	18,408.1667	1.9485	0.0000	18,442.9413
2021	194.6886	52.5512	52.2436	0.1773	8.9710	1.0918	10.0628	2.4249	1.0269	3.4518	0.0000	18,083.6900	18,083.6900	1.3362	0.0000	18,117.0953
Maximum	**194.6886**	**57.8837**	**56.4714**	**0.1806**	**8.9713**	**2.1986**	**10.4763**	**4.5080**	**2.0227**	**6.5307**	**0.0000**	**18,408.1667**	**18,408.1667**	**1.9485**	**0.0000**	**18,442.9413**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**34.00**	**0.00**	**32.60**	**44.07**	**0.00**	**35.36**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/15/2020	6	13	
2	Site Preparation	Site Preparation	6/16/2020	6/30/2020	6	13	
3	Grading	Grading	7/1/2020	9/30/2020	6	79	
4	Building Construction	Building Construction	10/1/2020	9/30/2021	6	313	
5	Paving	Paving	10/1/2021	10/31/2021	6	26	
6	Architectural Coating	Architectural Coating	11/1/2021	11/30/2021	6	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 52.04

Acres of Paving: 39.02

Residential Indoor: 586,699; Residential Outdoor: 195,566; Non-Residential Indoor: 35,703; Non-Residential Outdoor: 11,901; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	257.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	843.00	304.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	169.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2798	0.0000	4.2798	0.6480	0.0000	0.6480			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**4.2798**	**1.6587**	**5.9385**	**0.6480**	**1.5419**	**2.1899**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1553	5.7348	1.1553	0.0157	0.3413	0.0206	0.3619	0.0932	0.0197	0.1129		1,688.4231	1,688.4231	0.1011		1,690.9502
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0733	0.0464	0.5510	1.2800e-003	0.1232	9.6000e-004	0.1242	0.0327	8.8000e-004	0.0336		127.2106	127.2106	4.5800e-003		127.3252
Total	**0.2287**	**5.7813**	**1.7062**	**0.0170**	**0.4645**	**0.0215**	**0.4861**	**0.1258**	**0.0206**	**0.1464**		**1,815.6337**	**1,815.6337**	**0.1057**		**1,818.2753**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9259	0.0000	1.9259	0.2916	0.0000	0.2916			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**1.9259**	**1.6587**	**3.5846**	**0.2916**	**1.5419**	**1.8335**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1553	5.7348	1.1553	0.0157	0.3413	0.0206	0.3619	0.0932	0.0197	0.1129		1,688.4231	1,688.4231	0.1011		1,690.9502
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0733	0.0464	0.5510	1.2800e-003	0.1232	9.6000e-004	0.1242	0.0327	8.8000e-004	0.0336		127.2106	127.2106	4.5800e-003		127.3252
Total	**0.2287**	**5.7813**	**1.7062**	**0.0170**	**0.4645**	**0.0215**	**0.4861**	**0.1258**	**0.0206**	**0.1464**		**1,815.6337**	**1,815.6337**	**0.1057**		**1,818.2753**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0880	0.0557	0.6611	1.5300e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		152.6527	152.6527	5.5000e-003		152.7902
Total	**0.0880**	**0.0557**	**0.6611**	**1.5300e-003**	**0.1479**	**1.1500e-003**	**0.1490**	**0.0392**	**1.0600e-003**	**0.0403**		**152.6527**	**152.6527**	**5.5000e-003**		**152.7902**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**8.1298**	**2.1974**	**10.3272**	**4.4688**	**2.0216**	**6.4904**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0880	0.0557	0.6611	1.5300e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		152.6527	152.6527	5.5000e-003		152.7902
Total	**0.0880**	**0.0557**	**0.6611**	**1.5300e-003**	**0.1479**	**1.1500e-003**	**0.1490**	**0.0392**	**1.0600e-003**	**0.0403**		**152.6527**	**152.6527**	**5.5000e-003**		**152.7902**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7207	0.0000	6.7207	3.3857	0.0000	3.3857			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.7207**	**2.1739**	**8.8946**	**3.3857**	**2.0000**	**5.3857**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0978	0.0619	0.7346	1.7000e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		169.6142	169.6142	6.1100e-003		169.7669
Total	**0.0978**	**0.0619**	**0.7346**	**1.7000e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**169.6142**	**169.6142**	**6.1100e-003**		**169.7669**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0243	0.0000	3.0243	1.5236	0.0000	1.5236			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**3.0243**	**2.1739**	**5.1982**	**1.5236**	**2.0000**	**3.5235**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0978	0.0619	0.7346	1.7000e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		169.6142	169.6142	6.1100e-003		169.7669
Total	**0.0978**	**0.0619**	**0.7346**	**1.7000e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**169.6142**	**169.6142**	**6.1100e-003**		**169.7669**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1718	36.0887	8.6596	0.0818	2.0462	0.1924	2.2385	0.5882	0.1840	0.7722		8,705.8672	8,705.8672	0.5106		8,718.6329
Worker	4.1217	2.6090	30.9633	0.0719	6.9251	0.0539	6.9789	1.8369	0.0497	1.8866		7,149.2365	7,149.2365	0.2575		7,155.6740
Total	**5.2935**	**38.6977**	**39.6229**	**0.1537**	**8.9713**	**0.2462**	**9.2175**	**2.4250**	**0.2337**	**2.6587**		**15,855.1037**	**15,855.1037**	**0.7681**		**15,874.3068**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1718	36.0887	8.6596	0.0818	2.0462	0.1924	2.2385	0.5882	0.1840	0.7722		8,705.8672	8,705.8672	0.5106		8,718.6329
Worker	4.1217	2.6090	30.9633	0.0719	6.9251	0.0539	6.9789	1.8369	0.0497	1.8866		7,149.2365	7,149.2365	0.2575		7,155.6740
Total	**5.2935**	**38.6977**	**39.6229**	**0.1537**	**8.9713**	**0.2462**	**9.2175**	**2.4250**	**0.2337**	**2.6587**		**15,855.1037**	**15,855.1037**	**0.7681**		**15,874.3068**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9434	32.7941	7.6000	0.0810	2.0460	0.0815	2.1274	0.5881	0.0779	0.6660		8,628.1048	8,628.1048	0.4908		8,640.3736
Worker	3.8234	2.3250	28.0684	0.0694	6.9251	0.0517	6.9768	1.8369	0.0477	1.8845		6,902.2213	6,902.2213	0.2295		6,907.9575
Total	**4.7668**	**35.1191**	**35.6684**	**0.1504**	**8.9710**	**0.1332**	**9.1042**	**2.4249**	**0.1256**	**2.5505**		**15,530.3261**	**15,530.3261**	**0.7202**		**15,548.3311**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9434	32.7941	7.6000	0.0810	2.0460	0.0815	2.1274	0.5881	0.0779	0.6660		8,628.1048	8,628.1048	0.4908		8,640.3736
Worker	3.8234	2.3250	28.0684	0.0694	6.9251	0.0517	6.9768	1.8369	0.0477	1.8845		6,902.2213	6,902.2213	0.2295		6,907.9575
Total	**4.7668**	**35.1191**	**35.6684**	**0.1504**	**8.9710**	**0.1332**	**9.1042**	**2.4249**	**0.1256**	**2.5505**		**15,530.3261**	**15,530.3261**	**0.7202**		**15,548.3311**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	1.1236					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3791**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0680	0.0414	0.4994	1.2300e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		122.8153	122.8153	4.0800e-003		122.9174
Total	**0.0680**	**0.0414**	**0.4994**	**1.2300e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**122.8153**	**122.8153**	**4.0800e-003**		**122.9174**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	1.1236					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3791**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0680	0.0414	0.4994	1.2300e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		122.8153	122.8153	4.0800e-003		122.9174
Total	**0.0680**	**0.0414**	**0.4994**	**1.2300e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**122.8153**	**122.8153**	**4.0800e-003**		**122.9174**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	193.7033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**193.9222**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7665	0.4661	5.6270	0.0139	1.3883	0.0104	1.3987	0.3682	9.5600e-003	0.3778		1,383.7193	1,383.7193	0.0460		1,384.8693
Total	**0.7665**	**0.4661**	**5.6270**	**0.0139**	**1.3883**	**0.0104**	**1.3987**	**0.3682**	**9.5600e-003**	**0.3778**		**1,383.7193**	**1,383.7193**	**0.0460**		**1,384.8693**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	193.7033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**193.9222**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7665	0.4661	5.6270	0.0139	1.3883	0.0104	1.3987	0.3682	9.5600e-003	0.3778		1,383.7193	1,383.7193	0.0460		1,384.8693
Total	**0.7665**	**0.4661**	**5.6270**	**0.0139**	**1.3883**	**0.0104**	**1.3987**	**0.3682**	**9.5600e-003**	**0.3778**		**1,383.7193**	**1,383.7193**	**0.0460**		**1,384.8693**

Elnoka Village Project - Unmitigated Construction - Phase 1

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	27.87	Acre	27.87	1,214,017.20	0
Parking Lot	11.15	Acre	11.15	485,694.00	0
Health Club	23.80	1000sqft	0.51	23,802.00	0
Apartments Low Rise	54.00	Dwelling Unit	8.54	76,090.10	154
Condo/Townhouse	12.00	Dwelling Unit	0.13	11,037.00	34
Congregate Care (Assisted Living)	62.00	Dwelling Unit	0.82	71,140.00	177
Single Family Housing	74.00	Dwelling Unit	3.02	131,461.00	212

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 1

Land Use - Based on site plan and project description - site work and grading for the entire site

Construction Phase - Expected construction schedule

Grading - 52.04 acres to be disturbed; material expected to be balanced onsite

Demolition - Existing structures and hardscape to be demolished

Vehicle Trips - Construction run only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	1,110.00	313.00
tblConstructionPhase	NumDays	70.00	13.00
tblConstructionPhase	NumDays	110.00	79.00
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	40.00	13.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	1/1/2024	11/30/2021
tblConstructionPhase	PhaseEndDate	6/5/2023	9/30/2021
tblConstructionPhase	PhaseEndDate	8/6/2018	6/15/2020
tblConstructionPhase	PhaseEndDate	3/4/2019	9/30/2020
tblConstructionPhase	PhaseEndDate	9/18/2023	10/31/2021
tblConstructionPhase	PhaseEndDate	10/1/2018	6/30/2020
tblConstructionPhase	PhaseStartDate	9/19/2023	11/1/2021
tblConstructionPhase	PhaseStartDate	3/5/2019	10/1/2020
tblConstructionPhase	PhaseStartDate	5/1/2018	6/1/2020
tblConstructionPhase	PhaseStartDate	10/2/2018	7/1/2020
tblConstructionPhase	PhaseStartDate	6/6/2023	10/1/2021
tblConstructionPhase	PhaseStartDate	8/7/2018	6/16/2020
tblGrading	AcresOfGrading	197.50	52.04
tblLandUse	BuildingSpaceSquareFeet	23,800.00	23,802.00

tblLandUse	BuildingSpaceSquareFeet	54,000.00	76,090.10
tblLandUse	BuildingSpaceSquareFeet	12,000.00	11,037.00
tblLandUse	BuildingSpaceSquareFeet	62,000.00	71,140.00
tblLandUse	BuildingSpaceSquareFeet	133,200.00	131,461.00
tblLandUse	LandUseSquareFeet	23,800.00	23,802.00
tblLandUse	LandUseSquareFeet	54,000.00	76,090.10
tblLandUse	LandUseSquareFeet	12,000.00	11,037.00
tblLandUse	LandUseSquareFeet	62,000.00	71,140.00
tblLandUse	LandUseSquareFeet	133,200.00	131,461.00
tblLandUse	LotAcreage	0.55	0.51
tblLandUse	LotAcreage	3.38	8.54
tblLandUse	LotAcreage	0.75	0.13
tblLandUse	LotAcreage	3.88	0.82
tblLandUse	LotAcreage	24.03	3.02
tblProjectCharacteristics	OperationalYear	2018	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	7.7973	58.9343	56.9687	0.1738	18.2141	2.1986	20.4127	9.9699	2.0227	11.9926	0.0000	17,716.4604	17,716.4604	1.9483	0.0000	17,752.0078
2021	194.7483	53.4081	52.6122	0.1707	8.9710	1.0956	10.0666	2.4249	1.0305	3.4554	0.0000	17,409.3870	17,409.3870	1.3664	0.0000	17,443.5472
Maximum	**194.7483**	**58.9343**	**56.9687**	**0.1738**	**18.2141**	**2.1986**	**20.4127**	**9.9699**	**2.0227**	**11.9926**	**0.0000**	**17,716.4604**	**17,716.4604**	**1.9483**	**0.0000**	**17,752.0078**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	7.7973	58.9343	56.9687	0.1738	8.9713	2.1986	10.4763	4.5080	2.0227	6.5307	0.0000	17,716.4604	17,716.4604	1.9483	0.0000	17,752.0078
2021	194.7483	53.4081	52.6122	0.1707	8.9710	1.0956	10.0666	2.4249	1.0305	3.4554	0.0000	17,409.3870	17,409.3870	1.3664	0.0000	17,443.5472
Maximum	**194.7483**	**58.9343**	**56.9687**	**0.1738**	**8.9713**	**2.1986**	**10.4763**	**4.5080**	**2.0227**	**6.5307**	**0.0000**	**17,716.4604**	**17,716.4604**	**1.9483**	**0.0000**	**17,752.0078**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**34.00**	**0.00**	**32.60**	**44.07**	**0.00**	**35.36**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/15/2020	6	13	
2	Site Preparation	Site Preparation	6/16/2020	6/30/2020	6	13	
3	Grading	Grading	7/1/2020	9/30/2020	6	79	
4	Building Construction	Building Construction	10/1/2020	9/30/2021	6	313	
5	Paving	Paving	10/1/2021	10/31/2021	6	26	
6	Architectural Coating	Architectural Coating	11/1/2021	11/30/2021	6	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 52.04

Acres of Paving: 39.02

Residential Indoor: 586,699; Residential Outdoor: 195,566; Non-Residential Indoor: 35,703; Non-Residential Outdoor: 11,901; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	257.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	843.00	304.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	169.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2798	0.0000	4.2798	0.6480	0.0000	0.6480			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**4.2798**	**1.6587**	**5.9385**	**0.6480**	**1.5419**	**2.1899**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1596	5.8763	1.2380	0.0155	0.3413	0.0211	0.3624	0.0932	0.0202	0.1133		1,665.3349	1,665.3349	0.1058		1,667.9791
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0791	0.0575	0.5384	1.1900e-003	0.1232	9.6000e-004	0.1242	0.0327	8.8000e-004	0.0336		118.2189	118.2189	4.4100e-003		118.3292
Total	**0.2387**	**5.9338**	**1.7764**	**0.0167**	**0.4645**	**0.0220**	**0.4865**	**0.1258**	**0.0210**	**0.1469**		**1,783.5538**	**1,783.5538**	**0.1102**		**1,786.3083**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9259	0.0000	1.9259	0.2916	0.0000	0.2916			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**1.9259**	**1.6587**	**3.5846**	**0.2916**	**1.5419**	**1.8335**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1596	5.8763	1.2380	0.0155	0.3413	0.0211	0.3624	0.0932	0.0202	0.1133		1,665.3349	1,665.3349	0.1058		1,667.9791
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0791	0.0575	0.5384	1.1900e-003	0.1232	9.6000e-004	0.1242	0.0327	8.8000e-004	0.0336		118.2189	118.2189	4.4100e-003		118.3292
Total	**0.2387**	**5.9338**	**1.7764**	**0.0167**	**0.4645**	**0.0220**	**0.4865**	**0.1258**	**0.0210**	**0.1469**		**1,783.5538**	**1,783.5538**	**0.1102**		**1,786.3083**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0949	0.0690	0.6461	1.4300e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		141.8626	141.8626	5.2900e-003		141.9950
Total	**0.0949**	**0.0690**	**0.6461**	**1.4300e-003**	**0.1479**	**1.1500e-003**	**0.1490**	**0.0392**	**1.0600e-003**	**0.0403**		**141.8626**	**141.8626**	**5.2900e-003**		**141.9950**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**8.1298**	**2.1974**	**10.3272**	**4.4688**	**2.0216**	**6.4904**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0949	0.0690	0.6461	1.4300e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		141.8626	141.8626	5.2900e-003		141.9950
Total	**0.0949**	**0.0690**	**0.6461**	**1.4300e-003**	**0.1479**	**1.1500e-003**	**0.1490**	**0.0392**	**1.0600e-003**	**0.0403**		**141.8626**	**141.8626**	**5.2900e-003**		**141.9950**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7207	0.0000	6.7207	3.3857	0.0000	3.3857			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.7207**	**2.1739**	**8.8946**	**3.3857**	**2.0000**	**5.3857**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1054	0.0767	0.7178	1.5900e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		157.6252	157.6252	5.8800e-003		157.7722
Total	**0.1054**	**0.0767**	**0.7178**	**1.5900e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**157.6252**	**157.6252**	**5.8800e-003**		**157.7722**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0243	0.0000	3.0243	1.5236	0.0000	1.5236			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**3.0243**	**2.1739**	**5.1982**	**1.5236**	**2.0000**	**3.5235**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1054	0.0767	0.7178	1.5900e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		157.6252	157.6252	5.8800e-003		157.7722
Total	**0.1054**	**0.0767**	**0.7178**	**1.5900e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**157.6252**	**157.6252**	**5.8800e-003**		**157.7722**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2338	36.5158	9.8635	0.0801	2.0462	0.1968	2.2430	0.5882	0.1883	0.7764		8,519.4969	8,519.4969	0.5511		8,533.2752
Worker	4.4437	3.2325	30.2566	0.0668	6.9251	0.0539	6.9789	1.8369	0.0497	1.8866		6,643.9004	6,643.9004	0.2479		6,650.0982
Total	**5.6775**	**39.7482**	**40.1202**	**0.1469**	**8.9713**	**0.2507**	**9.2219**	**2.4250**	**0.2380**	**2.6630**		**15,163.3973**	**15,163.3973**	**0.7990**		**15,183.3734**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2338	36.5158	9.8635	0.0801	2.0462	0.1968	2.2430	0.5882	0.1883	0.7764		8,519.4969	8,519.4969	0.5511		8,533.2752
Worker	4.4437	3.2325	30.2566	0.0668	6.9251	0.0539	6.9789	1.8369	0.0497	1.8866		6,643.9004	6,643.9004	0.2479		6,650.0982
Total	**5.6775**	**39.7482**	**40.1202**	**0.1469**	**8.9713**	**0.2507**	**9.2219**	**2.4250**	**0.2380**	**2.6630**		**15,163.3973**	**15,163.3973**	**0.7990**		**15,183.3734**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9997	33.0959	8.6948	0.0793	2.0460	0.0852	2.1312	0.5881	0.0815	0.6696		8,441.9478	8,441.9478	0.5300		8,455.1979
Worker	4.1210	2.8801	27.3422	0.0645	6.9251	0.0517	6.9768	1.8369	0.0477	1.8845		6,414.0753	6,414.0753	0.2204		6,419.5850
Total	**5.1207**	**35.9760**	**36.0370**	**0.1438**	**8.9710**	**0.1369**	**9.1080**	**2.4249**	**0.1292**	**2.5541**		**14,856.0231**	**14,856.0231**	**0.7504**		**14,874.7829**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9997	33.0959	8.6948	0.0793	2.0460	0.0852	2.1312	0.5881	0.0815	0.6696		8,441.9478	8,441.9478	0.5300		8,455.1979
Worker	4.1210	2.8801	27.3422	0.0645	6.9251	0.0517	6.9768	1.8369	0.0477	1.8845		6,414.0753	6,414.0753	0.2204		6,419.5850
Total	**5.1207**	**35.9760**	**36.0370**	**0.1438**	**8.9710**	**0.1369**	**9.1080**	**2.4249**	**0.1292**	**2.5541**		**14,856.0231**	**14,856.0231**	**0.7504**		**14,874.7829**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	1.1236					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3791**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0733	0.0513	0.4865	1.1500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		114.1295	114.1295	3.9200e-003		114.2275
Total	**0.0733**	**0.0513**	**0.4865**	**1.1500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**114.1295**	**114.1295**	**3.9200e-003**		**114.2275**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	1.1236					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3791**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0733	0.0513	0.4865	1.1500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		114.1295	114.1295	3.9200e-003		114.2275
Total	**0.0733**	**0.0513**	**0.4865**	**1.1500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**114.1295**	**114.1295**	**3.9200e-003**		**114.2275**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	193.7033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**193.9222**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8262	0.5774	5.4814	0.0129	1.3883	0.0104	1.3987	0.3682	9.5600e-003	0.3778		1,285.8585	1,285.8585	0.0442		1,286.9631
Total	**0.8262**	**0.5774**	**5.4814**	**0.0129**	**1.3883**	**0.0104**	**1.3987**	**0.3682**	**9.5600e-003**	**0.3778**		**1,285.8585**	**1,285.8585**	**0.0442**		**1,286.9631**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	193.7033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**193.9222**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8262	0.5774	5.4814	0.0129	1.3883	0.0104	1.3987	0.3682	9.5600e-003	0.3778		1,285.8585	1,285.8585	0.0442		1,286.9631
Total	**0.8262**	**0.5774**	**5.4814**	**0.0129**	**1.3883**	**0.0104**	**1.3987**	**0.3682**	**9.5600e-003**	**0.3778**		**1,285.8585**	**1,285.8585**	**0.0442**		**1,286.9631**

Elnoka Village Project - Unmitigated Construction - Phase 2

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 2

Land Use - Based on site plan and project description
Phase 2 Construction

Construction Phase - Phase 2 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/13/2022	9/14/2022
tblConstructionPhase	PhaseEndDate	7/21/2022	8/22/2022
tblConstructionPhase	PhaseEndDate	8/2/2022	9/2/2022
tblConstructionPhase	PhaseStartDate	8/3/2022	9/3/2022
tblConstructionPhase	PhaseStartDate	12/1/2021	1/1/2022
tblConstructionPhase	PhaseStartDate	7/22/2022	8/23/2022
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2023

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	1.3894	1.4497	1.6046	3.2800e-003	0.0771	0.0619	0.1390	0.0207	0.0597	0.0804	0.0000	280.4350	280.4350	0.0373	0.0000	281.3679
Maximum	**1.3894**	**1.4497**	**1.6046**	**3.2800e-003**	**0.0771**	**0.0619**	**0.1390**	**0.0207**	**0.0597**	**0.0804**	**0.0000**	**280.4350**	**280.4350**	**0.0373**	**0.0000**	**281.3679**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	1.3894	1.4497	1.6046	3.2800e-003	0.0771	0.0619	0.1390	0.0207	0.0597	0.0804	0.0000	280.4348	280.4348	0.0373	0.0000	281.3677
Maximum	**1.3894**	**1.4497**	**1.6046**	**3.2800e-003**	**0.0771**	**0.0619**	**0.1390**	**0.0207**	**0.0597**	**0.0804**	**0.0000**	**280.4348**	**280.4348**	**0.0373**	**0.0000**	**281.3677**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**12-1-2021**	**2-28-2022**	0.4093	0.4093
2	**3-1-2022**	**5-31-2022**	0.6358	0.6358
3	**6-1-2022**	**8-31-2022**	0.6016	0.6016
4	**9-1-2022**	**9-30-2022**	1.2294	1.2294
		Highest	1.2294	1.2294

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2022	8/22/2022	6	200	
2	Paving	Paving	8/23/2022	9/2/2022	6	10	
3	Architectural Coating	Architectural Coating	9/3/2022	9/14/2022	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1649	1.2503	1.2726	2.2100e-003		0.0589	0.0589		0.0569	0.0569	0.0000	181.5769	181.5769	0.0316	0.0000	182.3675
Total	**0.1649**	**1.2503**	**1.2726**	**2.2100e-003**		**0.0589**	**0.0589**		**0.0569**	**0.0569**	**0.0000**	**181.5769**	**181.5769**	**0.0316**	**0.0000**	**182.3675**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.1344	0.0318	3.4000e-004	8.4300e-003	3.1000e-004	8.7300e-003	2.4400e-003	3.0000e-004	2.7300e-003	0.0000	32.8603	32.8603	1.9200e-003	0.0000	32.9084
Worker	0.0352	0.0236	0.2428	6.4000e-004	0.0675	5.1000e-004	0.0680	0.0180	4.7000e-004	0.0184	0.0000	57.8277	57.8277	1.7900e-003	0.0000	57.8724
Total	**0.0390**	**0.1580**	**0.2746**	**9.8000e-004**	**0.0759**	**8.2000e-004**	**0.0767**	**0.0204**	**7.7000e-004**	**0.0212**	**0.0000**	**90.6880**	**90.6880**	**3.7100e-003**	**0.0000**	**90.7808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1649	1.2503	1.2726	2.2100e-003		0.0589	0.0589		0.0569	0.0569	0.0000	181.5767	181.5767	0.0316	0.0000	182.3673
Total	**0.1649**	**1.2503**	**1.2726**	**2.2100e-003**		**0.0589**	**0.0589**		**0.0569**	**0.0569**	**0.0000**	**181.5767**	**181.5767**	**0.0316**	**0.0000**	**182.3673**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.1344	0.0318	3.4000e-004	8.4300e-003	3.1000e-004	8.7300e-003	2.4400e-003	3.0000e-004	2.7300e-003	0.0000	32.8603	32.8603	1.9200e-003	0.0000	32.9084
Worker	0.0352	0.0236	0.2428	6.4000e-004	0.0675	5.1000e-004	0.0680	0.0180	4.7000e-004	0.0184	0.0000	57.8277	57.8277	1.7900e-003	0.0000	57.8724
Total	**0.0390**	**0.1580**	**0.2746**	**9.8000e-004**	**0.0759**	**8.2000e-004**	**0.0767**	**0.0204**	**7.7000e-004**	**0.0212**	**0.0000**	**90.6880**	**90.6880**	**3.7100e-003**	**0.0000**	**90.7808**

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4400e-003	0.0339	0.0440	7.0000e-005		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	5.8848	5.8848	1.8700e-003	0.0000	5.9315
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.4400e-003**	**0.0339**	**0.0440**	**7.0000e-005**		**1.7400e-003**	**1.7400e-003**		**1.6000e-003**	**1.6000e-003**	**0.0000**	**5.8848**	**5.8848**	**1.8700e-003**	**0.0000**	**5.9315**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.8000e-004	1.8400e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4371	0.4371	1.0000e-005	0.0000	0.4374
Total	**2.7000e-004**	**1.8000e-004**	**1.8400e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4371**	**0.4371**	**1.0000e-005**	**0.0000**	**0.4374**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4400e-003	0.0339	0.0440	7.0000e-005		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	5.8848	5.8848	1.8700e-003	0.0000	5.9314
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.4400e-003**	**0.0339**	**0.0440**	**7.0000e-005**		**1.7400e-003**	**1.7400e-003**		**1.6000e-003**	**1.6000e-003**	**0.0000**	**5.8848**	**5.8848**	**1.8700e-003**	**0.0000**	**5.9314**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.8000e-004	1.8400e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4371	0.4371	1.0000e-005	0.0000	0.4374
Total	**2.7000e-004**	**1.8000e-004**	**1.8400e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4371**	**0.4371**	**1.0000e-005**	**0.0000**	**0.4374**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1804					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**1.1814**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.4000e-003	1.0000e-005	6.7000e-004	1.0000e-005	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5716	0.5716	2.0000e-005	0.0000	0.5720
Total	**3.5000e-004**	**2.3000e-004**	**2.4000e-003**	**1.0000e-005**	**6.7000e-004**	**1.0000e-005**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5716**	**0.5716**	**2.0000e-005**	**0.0000**	**0.5720**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1804					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**1.1814**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.4000e-003	1.0000e-005	6.7000e-004	1.0000e-005	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5716	0.5716	2.0000e-005	0.0000	0.5720
Total	**3.5000e-004**	**2.3000e-004**	**2.4000e-003**	**1.0000e-005**	**6.7000e-004**	**1.0000e-005**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5716**	**0.5716**	**2.0000e-005**	**0.0000**	**0.5720**

Elnoka Village Project - Unmitigated Construction - Phase 2

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 2

Land Use - Based on site plan and project description
Phase 2 Construction

Construction Phase - Phase 2 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/13/2022	9/14/2022
tblConstructionPhase	PhaseEndDate	7/21/2022	8/22/2022
tblConstructionPhase	PhaseEndDate	8/2/2022	9/2/2022
tblConstructionPhase	PhaseStartDate	8/3/2022	9/3/2022
tblConstructionPhase	PhaseStartDate	12/1/2021	1/1/2022
tblConstructionPhase	PhaseStartDate	7/22/2022	8/23/2022
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2023

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	236.3495	14.0468	15.6002	0.0323	0.7940	0.5970	1.3909	0.2125	0.5764	0.7890	0.0000	3,045.5198	3,045.5198	0.4144	0.0000	3,055.2636
Maximum	**236.3495**	**14.0468**	**15.6002**	**0.0323**	**0.7940**	**0.5970**	**1.3909**	**0.2125**	**0.5764**	**0.7890**	**0.0000**	**3,045.5198**	**3,045.5198**	**0.4144**	**0.0000**	**3,055.2636**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	236.3495	14.0468	15.6002	0.0323	0.7940	0.5970	1.3909	0.2125	0.5764	0.7890	0.0000	3,045.5198	3,045.5198	0.4144	0.0000	3,055.2636
Maximum	**236.3495**	**14.0468**	**15.6002**	**0.0323**	**0.7940**	**0.5970**	**1.3909**	**0.2125**	**0.5764**	**0.7890**	**0.0000**	**3,045.5198**	**3,045.5198**	**0.4144**	**0.0000**	**3,055.2636**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2022	8/22/2022	6	200	
2	Paving	Paving	8/23/2022	9/2/2022	6	10	
3	Architectural Coating	Architectural Coating	9/3/2022	9/14/2022	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	**1.6487**	**12.5031**	**12.7264**	**0.0221**		**0.5889**	**0.5889**		**0.5689**	**0.5689**		**2,001.5429**	**2,001.5429**	**0.3486**		**2,010.2581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0373	1.3330	0.2983	3.4300e-003	0.0875	3.0200e-003	0.0905	0.0251	2.8900e-003	0.0280		365.5736	365.5736	0.0205		366.0854
Worker	0.3613	0.2108	2.5755	6.8100e-003	0.7065	5.0700e-003	0.7115	0.1874	4.6700e-003	0.1921		678.4033	678.4033	0.0207		678.9202
Total	**0.3987**	**1.5437**	**2.8738**	**0.0102**	**0.7940**	**8.0900e-003**	**0.8021**	**0.2125**	**7.5600e-003**	**0.2201**		**1,043.9770**	**1,043.9770**	**0.0411**		**1,045.0056**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	**1.6487**	**12.5031**	**12.7264**	**0.0221**		**0.5889**	**0.5889**		**0.5689**	**0.5689**	**0.0000**	**2,001.5429**	**2,001.5429**	**0.3486**		**2,010.2581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0373	1.3330	0.2983	3.4300e-003	0.0875	3.0200e-003	0.0905	0.0251	2.8900e-003	0.0280		365.5736	365.5736	0.0205		366.0854
Worker	0.3613	0.2108	2.5755	6.8100e-003	0.7065	5.0700e-003	0.7115	0.1874	4.6700e-003	0.1921		678.4033	678.4033	0.0207		678.9202
Total	**0.3987**	**1.5437**	**2.8738**	**0.0102**	**0.7940**	**8.0900e-003**	**0.8021**	**0.2125**	**7.5600e-003**	**0.2201**		**1,043.9770**	**1,043.9770**	**0.0411**		**1,045.0056**

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6877**	**6.7738**	**8.8060**	**0.0135**		**0.3474**	**0.3474**		**0.3205**	**0.3205**		**1,297.3789**	**1,297.3789**	**0.4113**		**1,307.6608**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0319	0.3893	1.0300e-003	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		102.5493	102.5493	3.1300e-003		102.6275
Total	**0.0546**	**0.0319**	**0.3893**	**1.0300e-003**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**102.5493**	**102.5493**	**3.1300e-003**		**102.6275**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6877**	**6.7738**	**8.8060**	**0.0135**		**0.3474**	**0.3474**		**0.3205**	**0.3205**	**0.0000**	**1,297.3789**	**1,297.3789**	**0.4113**		**1,307.6608**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0319	0.3893	1.0300e-003	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		102.5493	102.5493	3.1300e-003		102.6275
Total	**0.0546**	**0.0319**	**0.3893**	**1.0300e-003**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**102.5493**	**102.5493**	**3.1300e-003**		**102.6275**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**236.2781**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0714	0.0417	0.5091	1.3500e-003	0.1397	1.0000e-003	0.1407	0.0370	9.2000e-004	0.0380		134.1030	134.1030	4.0900e-003		134.2052
Total	**0.0714**	**0.0417**	**0.5091**	**1.3500e-003**	**0.1397**	**1.0000e-003**	**0.1407**	**0.0370**	**9.2000e-004**	**0.0380**		**134.1030**	**134.1030**	**4.0900e-003**		**134.2052**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**236.2781**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0714	0.0417	0.5091	1.3500e-003	0.1397	1.0000e-003	0.1407	0.0370	9.2000e-004	0.0380		134.1030	134.1030	4.0900e-003		134.2052
Total	**0.0714**	**0.0417**	**0.5091**	**1.3500e-003**	**0.1397**	**1.0000e-003**	**0.1407**	**0.0370**	**9.2000e-004**	**0.0380**		**134.1030**	**134.1030**	**4.0900e-003**		**134.2052**

Elnoka Village Project - Unmitigated Construction - Phase 2

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 2

Land Use - Based on site plan and project description
Phase 2 Construction

Construction Phase - Phase 2 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/13/2022	9/14/2022
tblConstructionPhase	PhaseEndDate	7/21/2022	8/22/2022
tblConstructionPhase	PhaseEndDate	8/2/2022	9/2/2022
tblConstructionPhase	PhaseStartDate	8/3/2022	9/3/2022
tblConstructionPhase	PhaseStartDate	12/1/2021	1/1/2022
tblConstructionPhase	PhaseStartDate	7/22/2022	8/23/2022
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2023

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	236.3551	14.1076	15.5621	0.0317	0.7940	0.5971	1.3911	0.2125	0.5766	0.7891	0.0000	2,989.5457	2,989.5457	0.4143	0.0000	2,999.3074
Maximum	**236.3551**	**14.1076**	**15.5621**	**0.0317**	**0.7940**	**0.5971**	**1.3911**	**0.2125**	**0.5766**	**0.7891**	**0.0000**	**2,989.5457**	**2,989.5457**	**0.4143**	**0.0000**	**2,999.3074**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	236.3551	14.1076	15.5621	0.0317	0.7940	0.5971	1.3911	0.2125	0.5766	0.7891	0.0000	2,989.5457	2,989.5457	0.4143	0.0000	2,999.3074
Maximum	**236.3551**	**14.1076**	**15.5621**	**0.0317**	**0.7940**	**0.5971**	**1.3911**	**0.2125**	**0.5766**	**0.7891**	**0.0000**	**2,989.5457**	**2,989.5457**	**0.4143**	**0.0000**	**2,999.3074**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2022	8/22/2022	6	200	
2	Paving	Paving	8/23/2022	9/2/2022	6	10	
3	Architectural Coating	Architectural Coating	9/3/2022	9/14/2022	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	**1.6487**	**12.5031**	**12.7264**	**0.0221**		**0.5889**	**0.5889**		**0.5689**	**0.5689**		**2,001.5429**	**2,001.5429**	**0.3486**		**2,010.2581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0395	1.3436	0.3409	3.3600e-003	0.0875	3.1700e-003	0.0907	0.0251	3.0300e-003	0.0282		357.6006	357.6006	0.0221		358.1531
Worker	0.3897	0.2609	2.4948	6.3300e-003	0.7065	5.0700e-003	0.7115	0.1874	4.6700e-003	0.1921		630.4022	630.4022	0.0198		630.8962
Total	**0.4292**	**1.6046**	**2.8357**	**9.6900e-003**	**0.7940**	**8.2400e-003**	**0.8022**	**0.2125**	**7.7000e-003**	**0.2202**		**988.0028**	**988.0028**	**0.0419**		**989.0493**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	**1.6487**	**12.5031**	**12.7264**	**0.0221**		**0.5889**	**0.5889**		**0.5689**	**0.5689**	**0.0000**	**2,001.5429**	**2,001.5429**	**0.3486**		**2,010.2581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0395	1.3436	0.3409	3.3600e-003	0.0875	3.1700e-003	0.0907	0.0251	3.0300e-003	0.0282		357.6006	357.6006	0.0221		358.1531
Worker	0.3897	0.2609	2.4948	6.3300e-003	0.7065	5.0700e-003	0.7115	0.1874	4.6700e-003	0.1921		630.4022	630.4022	0.0198		630.8962
Total	**0.4292**	**1.6046**	**2.8357**	**9.6900e-003**	**0.7940**	**8.2400e-003**	**0.8022**	**0.2125**	**7.7000e-003**	**0.2202**		**988.0028**	**988.0028**	**0.0419**		**989.0493**

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6877**	**6.7738**	**8.8060**	**0.0135**		**0.3474**	**0.3474**		**0.3205**	**0.3205**		**1,297.3789**	**1,297.3789**	**0.4113**		**1,307.6608**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0394	0.3771	9.6000e-004	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		95.2934	95.2934	2.9900e-003		95.3680
Total	**0.0589**	**0.0394**	**0.3771**	**9.6000e-004**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**95.2934**	**95.2934**	**2.9900e-003**		**95.3680**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6877**	**6.7738**	**8.8060**	**0.0135**		**0.3474**	**0.3474**		**0.3205**	**0.3205**	**0.0000**	**1,297.3789**	**1,297.3789**	**0.4113**		**1,307.6608**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0394	0.3771	9.6000e-004	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		95.2934	95.2934	2.9900e-003		95.3680
Total	**0.0589**	**0.0394**	**0.3771**	**9.6000e-004**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**95.2934**	**95.2934**	**2.9900e-003**		**95.3680**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**236.2781**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0770	0.0516	0.4932	1.2500e-003	0.1397	1.0000e-003	0.1407	0.0370	9.2000e-004	0.0380		124.6144	124.6144	3.9100e-003		124.7120
Total	**0.0770**	**0.0516**	**0.4932**	**1.2500e-003**	**0.1397**	**1.0000e-003**	**0.1407**	**0.0370**	**9.2000e-004**	**0.0380**		**124.6144**	**124.6144**	**3.9100e-003**		**124.7120**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**236.2781**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0770	0.0516	0.4932	1.2500e-003	0.1397	1.0000e-003	0.1407	0.0370	9.2000e-004	0.0380		124.6144	124.6144	3.9100e-003		124.7120
Total	**0.0770**	**0.0516**	**0.4932**	**1.2500e-003**	**0.1397**	**1.0000e-003**	**0.1407**	**0.0370**	**9.2000e-004**	**0.0380**		**124.6144**	**124.6144**	**3.9100e-003**		**124.7120**

Elnoka Village Project - Unmitigated Construction - Phase 3

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 3

Land Use - Based on site plan and project description
Phase 3 Construction

Construction Phase - Phase 3 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2023	9/14/2023
tblConstructionPhase	PhaseEndDate	7/21/2023	8/22/2023
tblConstructionPhase	PhaseEndDate	8/2/2023	9/2/2023
tblConstructionPhase	PhaseStartDate	8/3/2023	9/3/2023
tblConstructionPhase	PhaseStartDate	12/1/2022	1/1/2023
tblConstructionPhase	PhaseStartDate	7/22/2023	8/23/2023
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2024

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	1.3730	1.3375	1.5646	3.2500e-003	0.0771	0.0540	0.1311	0.0207	0.0521	0.0728	0.0000	277.4482	277.4482	0.0361	0.0000	278.3502
Maximum	**1.3730**	**1.3375**	**1.5646**	**3.2500e-003**	**0.0771**	**0.0540**	**0.1311**	**0.0207**	**0.0521**	**0.0728**	**0.0000**	**277.4482**	**277.4482**	**0.0361**	**0.0000**	**278.3502**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	1.3730	1.3375	1.5646	3.2500e-003	0.0771	0.0540	0.1311	0.0207	0.0521	0.0728	0.0000	277.4480	277.4480	0.0361	0.0000	278.3500
Maximum	**1.3730**	**1.3375**	**1.5646**	**3.2500e-003**	**0.0771**	**0.0540**	**0.1311**	**0.0207**	**0.0521**	**0.0728**	**0.0000**	**277.4480**	**277.4480**	**0.0361**	**0.0000**	**278.3500**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	12-1-2022	2-28-2023	0.3775	0.3775
2	3-1-2023	5-31-2023	0.5866	0.5866
3	6-1-2023	8-31-2023	0.5551	0.5551
4	9-1-2023	9-30-2023	1.2283	1.2283
		Highest	1.2283	1.2283

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2023	8/22/2023	6	200	
2	Paving	Paving	8/23/2023	9/2/2023	6	10	
3	Architectural Coating	Architectural Coating	9/3/2023	9/14/2023	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1523	1.1710	1.2611	2.2100e-003		0.0515	0.0515		0.0497	0.0497	0.0000	181.5991	181.5991	0.0308	0.0000	182.3701
Total	**0.1523**	**1.1710**	**1.2611**	**2.2100e-003**		**0.0515**	**0.0515**		**0.0497**	**0.0497**	**0.0000**	**181.5991**	**181.5991**	**0.0308**	**0.0000**	**182.3701**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8800e-003	0.1074	0.0282	3.3000e-004	8.4300e-003	1.3000e-004	8.5600e-003	2.4400e-003	1.3000e-004	2.5600e-003	0.0000	32.1142	32.1142	1.7000e-003	0.0000	32.1566
Worker	0.0327	0.0210	0.2185	6.2000e-004	0.0675	4.9000e-004	0.0680	0.0180	4.5000e-004	0.0184	0.0000	55.6022	55.6022	1.5800e-003	0.0000	55.6417
Total	**0.0356**	**0.1284**	**0.2466**	**9.5000e-004**	**0.0759**	**6.2000e-004**	**0.0765**	**0.0204**	**5.8000e-004**	**0.0210**	**0.0000**	**87.7164**	**87.7164**	**3.2800e-003**	**0.0000**	**87.7983**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1523	1.1710	1.2611	2.2100e-003		0.0515	0.0515		0.0497	0.0497	0.0000	181.5989	181.5989	0.0308	0.0000	182.3698
Total	**0.1523**	**1.1710**	**1.2611**	**2.2100e-003**		**0.0515**	**0.0515**		**0.0497**	**0.0497**	**0.0000**	**181.5989**	**181.5989**	**0.0308**	**0.0000**	**182.3698**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8800e-003	0.1074	0.0282	3.3000e-004	8.4300e-003	1.3000e-004	8.5600e-003	2.4400e-003	1.3000e-004	2.5600e-003	0.0000	32.1142	32.1142	1.7000e-003	0.0000	32.1566
Worker	0.0327	0.0210	0.2185	6.2000e-004	0.0675	4.9000e-004	0.0680	0.0180	4.5000e-004	0.0184	0.0000	55.6022	55.6022	1.5800e-003	0.0000	55.6417
Total	**0.0356**	**0.1284**	**0.2466**	**9.5000e-004**	**0.0759**	**6.2000e-004**	**0.0765**	**0.0204**	**5.8000e-004**	**0.0210**	**0.0000**	**87.7164**	**87.7164**	**3.2800e-003**	**0.0000**	**87.7983**

3.3 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.2200e-003	0.0312	0.0440	7.0000e-005		1.5400e-003	1.5400e-003		1.4200e-003	1.4200e-003	0.0000	5.8862	5.8862	1.8700e-003	0.0000	5.9329
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2200e-003**	**0.0312**	**0.0440**	**7.0000e-005**		**1.5400e-003**	**1.5400e-003**		**1.4200e-003**	**1.4200e-003**	**0.0000**	**5.8862**	**5.8862**	**1.8700e-003**	**0.0000**	**5.9329**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.6000e-004	1.6500e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4203	0.4203	1.0000e-005	0.0000	0.4206
Total	**2.5000e-004**	**1.6000e-004**	**1.6500e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4203**	**0.4203**	**1.0000e-005**	**0.0000**	**0.4206**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.2200e-003	0.0312	0.0440	7.0000e-005		1.5400e-003	1.5400e-003		1.4200e-003	1.4200e-003	0.0000	5.8862	5.8862	1.8700e-003	0.0000	5.9329
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2200e-003**	**0.0312**	**0.0440**	**7.0000e-005**		**1.5400e-003**	**1.5400e-003**		**1.4200e-003**	**1.4200e-003**	**0.0000**	**5.8862**	**5.8862**	**1.8700e-003**	**0.0000**	**5.9329**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.6000e-004	1.6500e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4203	0.4203	1.0000e-005	0.0000	0.4206
Total	**2.5000e-004**	**1.6000e-004**	**1.6500e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4203**	**0.4203**	**1.0000e-005**	**0.0000**	**0.4206**

3.4 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1804					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**1.1813**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.1600e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5496	0.5496	2.0000e-005	0.0000	0.5500
Total	**3.2000e-004**	**2.1000e-004**	**2.1600e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5496**	**0.5496**	**2.0000e-005**	**0.0000**	**0.5500**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1804					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**1.1813**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.1600e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5496	0.5496	2.0000e-005	0.0000	0.5500
Total	**3.2000e-004**	**2.1000e-004**	**2.1600e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5496**	**0.5496**	**2.0000e-005**	**0.0000**	**0.5500**

Elnoka Village Project - Unmitigated Construction - Phase 3

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 3

Land Use - Based on site plan and project description
Phase 3 Construction

Construction Phase - Phase 3 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2023	9/14/2023
tblConstructionPhase	PhaseEndDate	7/21/2023	8/22/2023
tblConstructionPhase	PhaseEndDate	8/2/2023	9/2/2023
tblConstructionPhase	PhaseStartDate	8/3/2023	9/3/2023
tblConstructionPhase	PhaseStartDate	12/1/2022	1/1/2023
tblConstructionPhase	PhaseStartDate	7/22/2023	8/23/2023
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2024

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	236.3315	12.9651	15.2017	0.0320	0.7940	0.5207	1.3146	0.2125	0.5026	0.7151	0.0000	3,011.3907	3,011.3907	0.4141	0.0000	3,020.7982
Maximum	**236.3315**	**12.9651**	**15.2017**	**0.0320**	**0.7940**	**0.5207**	**1.3146**	**0.2125**	**0.5026**	**0.7151**	**0.0000**	**3,011.3907**	**3,011.3907**	**0.4141**	**0.0000**	**3,020.7982**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	236.3315	12.9651	15.2017	0.0320	0.7940	0.5207	1.3146	0.2125	0.5026	0.7151	0.0000	3,011.3907	3,011.3907	0.4141	0.0000	3,020.7982
Maximum	**236.3315**	**12.9651**	**15.2017**	**0.0320**	**0.7940**	**0.5207**	**1.3146**	**0.2125**	**0.5026**	**0.7151**	**0.0000**	**3,011.3907**	**3,011.3907**	**0.4141**	**0.0000**	**3,020.7982**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2023	8/22/2023	6	200	
2	Paving	Paving	8/23/2023	9/2/2023	6	10	
3	Architectural Coating	Architectural Coating	9/3/2023	9/14/2023	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**1.5233**	**11.7104**	**12.6111**	**0.0221**		**0.5145**	**0.5145**		**0.4968**	**0.4968**		**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0281	1.0671	0.2656	3.3500e-003	0.0875	1.3100e-003	0.0888	0.0251	1.2500e-003	0.0264		357.2888	357.2888	0.0181		357.7411
Worker	0.3353	0.1877	2.3250	6.5500e-003	0.7065	4.8900e-003	0.7114	0.1874	4.5100e-003	0.1919		652.3142	652.3142	0.0183		652.7714
Total	**0.3634**	**1.2548**	**2.5906**	**9.9000e-003**	**0.7940**	**6.2000e-003**	**0.8001**	**0.2125**	**5.7600e-003**	**0.2183**		**1,009.6030**	**1,009.6030**	**0.0364**		**1,010.5125**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**1.5233**	**11.7104**	**12.6111**	**0.0221**		**0.5145**	**0.5145**		**0.4968**	**0.4968**	**0.0000**	**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0281	1.0671	0.2656	3.3500e-003	0.0875	1.3100e-003	0.0888	0.0251	1.2500e-003	0.0264		357.2888	357.2888	0.0181		357.7411
Worker	0.3353	0.1877	2.3250	6.5500e-003	0.7065	4.8900e-003	0.7114	0.1874	4.5100e-003	0.1919		652.3142	652.3142	0.0183		652.7714
Total	**0.3634**	**1.2548**	**2.5906**	**9.9000e-003**	**0.7940**	**6.2000e-003**	**0.8001**	**0.2125**	**5.7600e-003**	**0.2183**		**1,009.6030**	**1,009.6030**	**0.0364**		**1,010.5125**

3.3 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6446**	**6.2357**	**8.8024**	**0.0136**		**0.3084**	**0.3084**		**0.2846**	**0.2846**		**1,297.6880**	**1,297.6880**	**0.4114**		**1,307.9725**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0507	0.0284	0.3515	9.9000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		98.6056	98.6056	2.7600e-003		98.6747
Total	**0.0507**	**0.0284**	**0.3515**	**9.9000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**98.6056**	**98.6056**	**2.7600e-003**		**98.6747**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6446**	**6.2357**	**8.8024**	**0.0136**		**0.3084**	**0.3084**		**0.2846**	**0.2846**	**0.0000**	**1,297.6880**	**1,297.6880**	**0.4114**		**1,307.9725**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0507	0.0284	0.3515	9.9000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		98.6056	98.6056	2.7600e-003		98.6747
Total	**0.0507**	**0.0284**	**0.3515**	**9.9000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**98.6056**	**98.6056**	**2.7600e-003**		**98.6747**

3.4 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**236.2652**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0663	0.0371	0.4596	1.2900e-003	0.1397	9.7000e-004	0.1406	0.0370	8.9000e-004	0.0379		128.9458	128.9458	3.6100e-003		129.0362
Total	**0.0663**	**0.0371**	**0.4596**	**1.2900e-003**	**0.1397**	**9.7000e-004**	**0.1406**	**0.0370**	**8.9000e-004**	**0.0379**		**128.9458**	**128.9458**	**3.6100e-003**		**129.0362**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**236.2652**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0663	0.0371	0.4596	1.2900e-003	0.1397	9.7000e-004	0.1406	0.0370	8.9000e-004	0.0379		128.9458	128.9458	3.6100e-003		129.0362
Total	**0.0663**	**0.0371**	**0.4596**	**1.2900e-003**	**0.1397**	**9.7000e-004**	**0.1406**	**0.0370**	**8.9000e-004**	**0.0379**		**128.9458**	**128.9458**	**3.6100e-003**		**129.0362**

Elnoka Village Project - Unmitigated Construction - Phase 3

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 3

Land Use - Based on site plan and project description
Phase 3 Construction

Construction Phase - Phase 3 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2023	9/14/2023
tblConstructionPhase	PhaseEndDate	7/21/2023	8/22/2023
tblConstructionPhase	PhaseEndDate	8/2/2023	9/2/2023
tblConstructionPhase	PhaseStartDate	8/3/2023	9/3/2023
tblConstructionPhase	PhaseStartDate	12/1/2022	1/1/2023
tblConstructionPhase	PhaseStartDate	7/22/2023	8/23/2023
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2024

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	236.3367	13.0154	15.1507	0.0314	0.7940	0.5208	1.3147	0.2125	0.5027	0.7152	0.0000	2,957.3906	2,957.3906	0.4140	0.0000	2,966.8093
Maximum	**236.3367**	**13.0154**	**15.1507**	**0.0314**	**0.7940**	**0.5208**	**1.3147**	**0.2125**	**0.5027**	**0.7152**	**0.0000**	**2,957.3906**	**2,957.3906**	**0.4140**	**0.0000**	**2,966.8093**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	236.3367	13.0154	15.1507	0.0314	0.7940	0.5208	1.3147	0.2125	0.5027	0.7152	0.0000	2,957.3906	2,957.3906	0.4140	0.0000	2,966.8093
Maximum	**236.3367**	**13.0154**	**15.1507**	**0.0314**	**0.7940**	**0.5208**	**1.3147**	**0.2125**	**0.5027**	**0.7152**	**0.0000**	**2,957.3906**	**2,957.3906**	**0.4140**	**0.0000**	**2,966.8093**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2023	8/22/2023	6	200	
2	Paving	Paving	8/23/2023	9/2/2023	6	10	
3	Architectural Coating	Architectural Coating	9/3/2023	9/14/2023	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**1.5233**	**11.7104**	**12.6111**	**0.0221**		**0.5145**	**0.5145**		**0.4968**	**0.4968**		**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0298	1.0727	0.2999	3.2800e-003	0.0875	1.3800e-003	0.0889	0.0251	1.3200e-003	0.0265		349.4589	349.4589	0.0194		349.9449
Worker	0.3619	0.2323	2.2398	6.0900e-003	0.7065	4.8900e-003	0.7114	0.1874	4.5100e-003	0.1919		606.1440	606.1440	0.0174		606.5787
Total	**0.3918**	**1.3050**	**2.5396**	**9.3700e-003**	**0.7940**	**6.2700e-003**	**0.8002**	**0.2125**	**5.8300e-003**	**0.2184**		**955.6029**	**955.6029**	**0.0368**		**956.5236**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**1.5233**	**11.7104**	**12.6111**	**0.0221**		**0.5145**	**0.5145**		**0.4968**	**0.4968**	**0.0000**	**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0298	1.0727	0.2999	3.2800e-003	0.0875	1.3800e-003	0.0889	0.0251	1.3200e-003	0.0265		349.4589	349.4589	0.0194		349.9449
Worker	0.3619	0.2323	2.2398	6.0900e-003	0.7065	4.8900e-003	0.7114	0.1874	4.5100e-003	0.1919		606.1440	606.1440	0.0174		606.5787
Total	**0.3918**	**1.3050**	**2.5396**	**9.3700e-003**	**0.7940**	**6.2700e-003**	**0.8002**	**0.2125**	**5.8300e-003**	**0.2184**		**955.6029**	**955.6029**	**0.0368**		**956.5236**

3.3 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6446**	**6.2357**	**8.8024**	**0.0136**		**0.3084**	**0.3084**		**0.2846**	**0.2846**		**1,297.6880**	**1,297.6880**	**0.4114**		**1,307.9725**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0547	0.0351	0.3386	9.2000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		91.6264	91.6264	2.6300e-003		91.6921
Total	**0.0547**	**0.0351**	**0.3386**	**9.2000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**91.6264**	**91.6264**	**2.6300e-003**		**91.6921**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6446**	**6.2357**	**8.8024**	**0.0136**		**0.3084**	**0.3084**		**0.2846**	**0.2846**	**0.0000**	**1,297.6880**	**1,297.6880**	**0.4114**		**1,307.9725**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0547	0.0351	0.3386	9.2000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		91.6264	91.6264	2.6300e-003		91.6921
Total	**0.0547**	**0.0351**	**0.3386**	**9.2000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**91.6264**	**91.6264**	**2.6300e-003**		**91.6921**

3.4 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**236.2652**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0459	0.4427	1.2000e-003	0.1397	9.7000e-004	0.1406	0.0370	8.9000e-004	0.0379		119.8192	119.8192	3.4400e-003		119.9051
Total	**0.0715**	**0.0459**	**0.4427**	**1.2000e-003**	**0.1397**	**9.7000e-004**	**0.1406**	**0.0370**	**8.9000e-004**	**0.0379**		**119.8192**	**119.8192**	**3.4400e-003**		**119.9051**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**236.2652**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0459	0.4427	1.2000e-003	0.1397	9.7000e-004	0.1406	0.0370	8.9000e-004	0.0379		119.8192	119.8192	3.4400e-003		119.9051
Total	**0.0715**	**0.0459**	**0.4427**	**1.2000e-003**	**0.1397**	**9.7000e-004**	**0.1406**	**0.0370**	**8.9000e-004**	**0.0379**		**119.8192**	**119.8192**	**3.4400e-003**		**119.9051**

Elnoka Village Project - Unmitigated Construction - Phase 4

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 4

Land Use - Based on site plan and project description
Phase 4 Construction

Construction Phase - Phase 4 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/12/2024
tblConstructionPhase	PhaseEndDate	7/22/2025	8/20/2024
tblConstructionPhase	PhaseEndDate	8/2/2025	8/31/2024
tblConstructionPhase	PhaseStartDate	8/3/2025	9/1/2024
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2024
tblConstructionPhase	PhaseStartDate	7/23/2025	8/21/2024
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	1.3497	1.2666	1.5311	3.2100e-003	0.0763	0.0474	0.1237	0.0205	0.0456	0.0661	0.0000	274.3750	274.3750	0.0353	0.0000	275.2564
Maximum	**1.3497**	**1.2666**	**1.5311**	**3.2100e-003**	**0.0763**	**0.0474**	**0.1237**	**0.0205**	**0.0456**	**0.0661**	**0.0000**	**274.3750**	**274.3750**	**0.0353**	**0.0000**	**275.2564**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	1.3497	1.2666	1.5311	3.2100e-003	0.0763	0.0474	0.1237	0.0205	0.0456	0.0661	0.0000	274.3748	274.3748	0.0353	0.0000	275.2562
Maximum	**1.3497**	**1.2666**	**1.5311**	**3.2100e-003**	**0.0763**	**0.0474**	**0.1237**	**0.0205**	**0.0456**	**0.0661**	**0.0000**	**274.3748**	**274.3748**	**0.0353**	**0.0000**	**275.2562**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2024	8/20/2024	6	200	
2	Paving	Paving	8/21/2024	8/31/2024	6	10	
3	Architectural Coating	Architectural Coating	9/1/2024	9/12/2024	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1420	1.1064	1.2517	2.2100e-003		0.0451	0.0451		0.0435	0.0435	0.0000	181.6113	181.6113	0.0302	0.0000	182.3674
Total	**0.1420**	**1.1064**	**1.2517**	**2.2100e-003**		**0.0451**	**0.0451**		**0.0435**	**0.0435**	**0.0000**	**181.6113**	**181.6113**	**0.0302**	**0.0000**	**182.3674**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7600e-003	0.1060	0.0266	3.3000e-004	8.4200e-003	1.3000e-004	8.5500e-003	2.4300e-003	1.2000e-004	2.5600e-003	0.0000	31.9132	31.9132	1.6800e-003	0.0000	31.9551
Worker	0.0300	0.0185	0.1961	5.8000e-004	0.0667	4.7000e-004	0.0672	0.0178	4.3000e-004	0.0182	0.0000	52.7559	52.7559	1.3700e-003	0.0000	52.7902
Total	**0.0327**	**0.1245**	**0.2227**	**9.1000e-004**	**0.0751**	**6.0000e-004**	**0.0757**	**0.0202**	**5.5000e-004**	**0.0208**	**0.0000**	**84.6691**	**84.6691**	**3.0500e-003**	**0.0000**	**84.7454**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1420	1.1064	1.2517	2.2100e-003		0.0451	0.0451		0.0435	0.0435	0.0000	181.6110	181.6110	0.0302	0.0000	182.3672
Total	**0.1420**	**1.1064**	**1.2517**	**2.2100e-003**		**0.0451**	**0.0451**		**0.0435**	**0.0435**	**0.0000**	**181.6110**	**181.6110**	**0.0302**	**0.0000**	**182.3672**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7600e-003	0.1060	0.0266	3.3000e-004	8.4200e-003	1.3000e-004	8.5500e-003	2.4300e-003	1.2000e-004	2.5600e-003	0.0000	31.9132	31.9132	1.6800e-003	0.0000	31.9551
Worker	0.0300	0.0185	0.1961	5.8000e-004	0.0667	4.7000e-004	0.0672	0.0178	4.3000e-004	0.0182	0.0000	52.7559	52.7559	1.3700e-003	0.0000	52.7902
Total	**0.0327**	**0.1245**	**0.2227**	**9.1000e-004**	**0.0751**	**6.0000e-004**	**0.0757**	**0.0202**	**5.5000e-004**	**0.0208**	**0.0000**	**84.6691**	**84.6691**	**3.0500e-003**	**0.0000**	**84.7454**

3.3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0900e-003	0.0293	0.0441	7.0000e-005		1.4100e-003	1.4100e-003		1.3000e-003	1.3000e-003	0.0000	5.8870	5.8870	1.8700e-003	0.0000	5.9337
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.0900e-003**	**0.0293**	**0.0441**	**7.0000e-005**		**1.4100e-003**	**1.4100e-003**		**1.3000e-003**	**1.3000e-003**	**0.0000**	**5.8870**	**5.8870**	**1.8700e-003**	**0.0000**	**5.9337**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.4000e-004	1.5000e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4034	0.4034	1.0000e-005	0.0000	0.4037
Total	**2.3000e-004**	**1.4000e-004**	**1.5000e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4034**	**0.4034**	**1.0000e-005**	**0.0000**	**0.4037**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0900e-003	0.0293	0.0441	7.0000e-005		1.4100e-003	1.4100e-003		1.3000e-003	1.3000e-003	0.0000	5.8870	5.8870	1.8700e-003	0.0000	5.9337
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.0900e-003**	**0.0293**	**0.0441**	**7.0000e-005**		**1.4100e-003**	**1.4100e-003**		**1.3000e-003**	**1.3000e-003**	**0.0000**	**5.8870**	**5.8870**	**1.8700e-003**	**0.0000**	**5.9337**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.4000e-004	1.5000e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4034	0.4034	1.0000e-005	0.0000	0.4037
Total	**2.3000e-004**	**1.4000e-004**	**1.5000e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4034**	**0.4034**	**1.0000e-005**	**0.0000**	**0.4037**

3.4 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-004	6.0900e-003	9.0500e-003	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**1.1714**	**6.0900e-003**	**9.0500e-003**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.9000e-004	1.9600e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5276	0.5276	1.0000e-005	0.0000	0.5279
Total	**3.0000e-004**	**1.9000e-004**	**1.9600e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5276**	**0.5276**	**1.0000e-005**	**0.0000**	**0.5279**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-004	6.0900e-003	9.0500e-003	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**1.1714**	**6.0900e-003**	**9.0500e-003**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.9000e-004	1.9600e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5276	0.5276	1.0000e-005	0.0000	0.5279
Total	**3.0000e-004**	**1.9000e-004**	**1.9600e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5276**	**0.5276**	**1.0000e-005**	**0.0000**	**0.5279**

Elnoka Village Project - Unmitigated Construction - Phase 4

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 4

Land Use - Based on site plan and project description
Phase 4 Construction

Construction Phase - Phase 4 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/12/2024
tblConstructionPhase	PhaseEndDate	7/22/2025	8/20/2024
tblConstructionPhase	PhaseEndDate	8/2/2025	8/31/2024
tblConstructionPhase	PhaseStartDate	8/3/2025	9/1/2024
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2024
tblConstructionPhase	PhaseStartDate	7/23/2025	8/21/2024
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	234.3322	12.2825	14.8614	0.0316	0.7857	0.4565	1.2422	0.2104	0.4403	0.6506	0.0000	2,975.9065	2,975.9065	0.4139	0.0000	2,985.0875
Maximum	**234.3322**	**12.2825**	**14.8614**	**0.0316**	**0.7857**	**0.4565**	**1.2422**	**0.2104**	**0.4403**	**0.6506**	**0.0000**	**2,975.9065**	**2,975.9065**	**0.4139**	**0.0000**	**2,985.0875**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	234.3322	12.2825	14.8614	0.0316	0.7857	0.4565	1.2422	0.2104	0.4403	0.6506	0.0000	2,975.9065	2,975.9065	0.4139	0.0000	2,985.0875
Maximum	**234.3322**	**12.2825**	**14.8614**	**0.0316**	**0.7857**	**0.4565**	**1.2422**	**0.2104**	**0.4403**	**0.6506**	**0.0000**	**2,975.9065**	**2,975.9065**	**0.4139**	**0.0000**	**2,985.0875**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2024	8/20/2024	6	200	
2	Paving	Paving	8/21/2024	8/31/2024	6	10	
3	Architectural Coating	Architectural Coating	9/1/2024	9/12/2024	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**		**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0269	1.0530	0.2513	3.3300e-003	0.0875	1.2600e-003	0.0887	0.0251	1.2100e-003	0.0264		355.0443	355.0443	0.0179		355.4918
Worker	0.3075	0.1656	2.0930	6.2100e-003	0.6983	4.6700e-003	0.7029	0.1852	4.3000e-003	0.1895		618.9408	618.9408	0.0160		619.3395
Total	**0.3344**	**1.2186**	**2.3443**	**9.5400e-003**	**0.7857**	**5.9300e-003**	**0.7917**	**0.2104**	**5.5100e-003**	**0.2159**		**973.9850**	**973.9850**	**0.0339**		**974.8312**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**	**0.0000**	**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0269	1.0530	0.2513	3.3300e-003	0.0875	1.2600e-003	0.0887	0.0251	1.2100e-003	0.0264		355.0443	355.0443	0.0179		355.4918
Worker	0.3075	0.1656	2.0930	6.2100e-003	0.6983	4.6700e-003	0.7029	0.1852	4.3000e-003	0.1895		618.9408	618.9408	0.0160		619.3395
Total	**0.3344**	**1.2186**	**2.3443**	**9.5400e-003**	**0.7857**	**5.9300e-003**	**0.7917**	**0.2104**	**5.5100e-003**	**0.2159**		**973.9850**	**973.9850**	**0.0339**		**974.8312**

3.3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6180**	**5.8607**	**8.8253**	**0.0136**		**0.2810**	**0.2810**		**0.2594**	**0.2594**		**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0253	0.3201	9.5000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.6000e-004	0.0290		94.6615	94.6615	2.4400e-003		94.7225
Total	**0.0470**	**0.0253**	**0.3201**	**9.5000e-004**	**0.1068**	**7.1000e-004**	**0.1075**	**0.0283**	**6.6000e-004**	**0.0290**		**94.6615**	**94.6615**	**2.4400e-003**		**94.7225**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6180**	**5.8607**	**8.8253**	**0.0136**		**0.2810**	**0.2810**		**0.2594**	**0.2594**	**0.0000**	**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0253	0.3201	9.5000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.6000e-004	0.0290		94.6615	94.6615	2.4400e-003		94.7225
Total	**0.0470**	**0.0253**	**0.3201**	**9.5000e-004**	**0.1068**	**7.1000e-004**	**0.1075**	**0.0283**	**6.6000e-004**	**0.0290**		**94.6615**	**94.6615**	**2.4400e-003**		**94.7225**

3.4 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**234.2707**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0615	0.0331	0.4186	1.2400e-003	0.1397	9.3000e-004	0.1406	0.0370	8.6000e-004	0.0379		123.7882	123.7882	3.1900e-003		123.8679
Total	**0.0615**	**0.0331**	**0.4186**	**1.2400e-003**	**0.1397**	**9.3000e-004**	**0.1406**	**0.0370**	**8.6000e-004**	**0.0379**		**123.7882**	**123.7882**	**3.1900e-003**		**123.8679**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**234.2707**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0615	0.0331	0.4186	1.2400e-003	0.1397	9.3000e-004	0.1406	0.0370	8.6000e-004	0.0379		123.7882	123.7882	3.1900e-003		123.8679
Total	**0.0615**	**0.0331**	**0.4186**	**1.2400e-003**	**0.1397**	**9.3000e-004**	**0.1406**	**0.0370**	**8.6000e-004**	**0.0379**		**123.7882**	**123.7882**	**3.1900e-003**		**123.8679**

Elnoka Village Project - Unmitigated Construction - Phase 4

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 4

Land Use - Based on site plan and project description
Phase 4 Construction

Construction Phase - Phase 4 estimated construction schedule

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/12/2024
tblConstructionPhase	PhaseEndDate	7/22/2025	8/20/2024
tblConstructionPhase	PhaseEndDate	8/2/2025	8/31/2024
tblConstructionPhase	PhaseStartDate	8/3/2025	9/1/2024
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2024
tblConstructionPhase	PhaseStartDate	7/23/2025	8/21/2024
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	234.3372	12.3271	14.8077	0.0311	0.7857	0.4566	1.2423	0.2104	0.4404	0.6507	0.0000	2,924.3221	2,924.3221	0.4138	0.0000	2,933.5142
Maximum	**234.3372**	**12.3271**	**14.8077**	**0.0311**	**0.7857**	**0.4566**	**1.2423**	**0.2104**	**0.4404**	**0.6507**	**0.0000**	**2,924.3221**	**2,924.3221**	**0.4138**	**0.0000**	**2,933.5142**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	234.3372	12.3271	14.8077	0.0311	0.7857	0.4566	1.2423	0.2104	0.4404	0.6507	0.0000	2,924.3221	2,924.3221	0.4138	0.0000	2,933.5142
Maximum	**234.3372**	**12.3271**	**14.8077**	**0.0311**	**0.7857**	**0.4566**	**1.2423**	**0.2104**	**0.4404**	**0.6507**	**0.0000**	**2,924.3221**	**2,924.3221**	**0.4138**	**0.0000**	**2,933.5142**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2024	8/20/2024	6	200	
2	Paving	Paving	8/21/2024	8/31/2024	6	10	
3	Architectural Coating	Architectural Coating	9/1/2024	9/12/2024	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**		**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	1.0584	0.2832	3.2500e-003	0.0875	1.3300e-003	0.0888	0.0251	1.2700e-003	0.0264		347.2841	347.2841	0.0192		347.7645
Worker	0.3325	0.2048	2.0072	5.7700e-003	0.6983	4.6700e-003	0.7029	0.1852	4.3000e-003	0.1895		575.1165	575.1165	0.0151		575.4934
Total	**0.3610**	**1.2632**	**2.2905**	**9.0200e-003**	**0.7857**	**6.0000e-003**	**0.7917**	**0.2104**	**5.5700e-003**	**0.2159**		**922.4006**	**922.4006**	**0.0343**		**923.2580**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**	**0.0000**	**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	1.0584	0.2832	3.2500e-003	0.0875	1.3300e-003	0.0888	0.0251	1.2700e-003	0.0264		347.2841	347.2841	0.0192		347.7645
Worker	0.3325	0.2048	2.0072	5.7700e-003	0.6983	4.6700e-003	0.7029	0.1852	4.3000e-003	0.1895		575.1165	575.1165	0.0151		575.4934
Total	**0.3610**	**1.2632**	**2.2905**	**9.0200e-003**	**0.7857**	**6.0000e-003**	**0.7917**	**0.2104**	**5.5700e-003**	**0.2159**		**922.4006**	**922.4006**	**0.0343**		**923.2580**

3.3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6180**	**5.8607**	**8.8253**	**0.0136**		**0.2810**	**0.2810**		**0.2594**	**0.2594**		**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0509	0.0313	0.3070	8.8000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.6000e-004	0.0290		87.9590	87.9590	2.3100e-003		88.0166
Total	**0.0509**	**0.0313**	**0.3070**	**8.8000e-004**	**0.1068**	**7.1000e-004**	**0.1075**	**0.0283**	**6.6000e-004**	**0.0290**		**87.9590**	**87.9590**	**2.3100e-003**		**88.0166**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6180**	**5.8607**	**8.8253**	**0.0136**		**0.2810**	**0.2810**		**0.2594**	**0.2594**	**0.0000**	**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0509	0.0313	0.3070	8.8000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.6000e-004	0.0290		87.9590	87.9590	2.3100e-003		88.0166
Total	**0.0509**	**0.0313**	**0.3070**	**8.8000e-004**	**0.1068**	**7.1000e-004**	**0.1075**	**0.0283**	**6.6000e-004**	**0.0290**		**87.9590**	**87.9590**	**2.3100e-003**		**88.0166**

3.4 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**234.2707**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0410	0.4015	1.1500e-003	0.1397	9.3000e-004	0.1406	0.0370	8.6000e-004	0.0379		115.0233	115.0233	3.0200e-003		115.0987
Total	**0.0665**	**0.0410**	**0.4015**	**1.1500e-003**	**0.1397**	**9.3000e-004**	**0.1406**	**0.0370**	**8.6000e-004**	**0.0379**		**115.0233**	**115.0233**	**3.0200e-003**		**115.0987**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**234.2707**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0410	0.4015	1.1500e-003	0.1397	9.3000e-004	0.1406	0.0370	8.6000e-004	0.0379		115.0233	115.0233	3.0200e-003		115.0987
Total	**0.0665**	**0.0410**	**0.4015**	**1.1500e-003**	**0.1397**	**9.3000e-004**	**0.1406**	**0.0370**	**8.6000e-004**	**0.0379**		**115.0233**	**115.0233**	**3.0200e-003**		**115.0987**

Elnoka Village Project - Unmitigated Construction - Phase 5

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 5

Land Use - Based on site plan and project description
Phase 5 Construction

Construction Phase - Phase 5 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/13/2025
tblConstructionPhase	PhaseEndDate	7/22/2025	8/21/2025
tblConstructionPhase	PhaseEndDate	8/2/2025	9/2/2025
tblConstructionPhase	PhaseStartDate	8/3/2025	9/3/2025
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2025
tblConstructionPhase	PhaseStartDate	7/23/2025	8/22/2025
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	1.3377	1.1952	1.5050	3.1900e-003	0.0763	0.0413	0.1176	0.0205	0.0398	0.0603	0.0000	271.9891	271.9891	0.0345	0.0000	272.8515
Maximum	**1.3377**	**1.1952**	**1.5050**	**3.1900e-003**	**0.0763**	**0.0413**	**0.1176**	**0.0205**	**0.0398**	**0.0603**	**0.0000**	**271.9891**	**271.9891**	**0.0345**	**0.0000**	**272.8515**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	1.3377	1.1952	1.5050	3.1900e-003	0.0763	0.0413	0.1176	0.0205	0.0398	0.0603	0.0000	271.9889	271.9889	0.0345	0.0000	272.8513
Maximum	**1.3377**	**1.1952**	**1.5050**	**3.1900e-003**	**0.0763**	**0.0413**	**0.1176**	**0.0205**	**0.0398**	**0.0603**	**0.0000**	**271.9889**	**271.9889**	**0.0345**	**0.0000**	**272.8513**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	12-2-2024	3-1-2025	0.3421	0.3421
2	3-2-2025	6-1-2025	0.5228	0.5228
3	6-2-2025	9-1-2025	0.4877	0.4877
4	9-2-2025	9-30-2025	1.1127	1.1127
		Highest	1.1127	1.1127

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2025	8/21/2025	6	200	
2	Paving	Paving	8/22/2025	9/2/2025	6	10	
3	Architectural Coating	Architectural Coating	9/3/2025	9/13/2025	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1325	1.0413	1.2439	2.2100e-003		0.0393	0.0393		0.0379	0.0379	0.0000	181.6322	181.6322	0.0297	0.0000	182.3736
Total	**0.1325**	**1.0413**	**1.2439**	**2.2100e-003**		**0.0393**	**0.0393**		**0.0379**	**0.0379**	**0.0000**	**181.6322**	**181.6322**	**0.0297**	**0.0000**	**182.3736**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6600e-003	0.1045	0.0255	3.3000e-004	8.4200e-003	1.2000e-004	8.5500e-003	2.4300e-003	1.2000e-004	2.5500e-003	0.0000	31.7174	31.7174	1.6600e-003	0.0000	31.7589
Worker	0.0279	0.0167	0.1794	5.6000e-004	0.0667	4.5000e-004	0.0672	0.0178	4.2000e-004	0.0182	0.0000	50.5834	50.5834	1.2200e-003	0.0000	50.6141
Total	**0.0306**	**0.1212**	**0.2048**	**8.9000e-004**	**0.0751**	**5.7000e-004**	**0.0757**	**0.0202**	**5.4000e-004**	**0.0207**	**0.0000**	**82.3008**	**82.3008**	**2.8800e-003**	**0.0000**	**82.3729**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1325	1.0413	1.2439	2.2100e-003		0.0393	0.0393		0.0379	0.0379	0.0000	181.6320	181.6320	0.0297	0.0000	182.3734
Total	**0.1325**	**1.0413**	**1.2439**	**2.2100e-003**		**0.0393**	**0.0393**		**0.0379**	**0.0379**	**0.0000**	**181.6320**	**181.6320**	**0.0297**	**0.0000**	**182.3734**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6600e-003	0.1045	0.0255	3.3000e-004	8.4200e-003	1.2000e-004	8.5500e-003	2.4300e-003	1.2000e-004	2.5500e-003	0.0000	31.7174	31.7174	1.6600e-003	0.0000	31.7589
Worker	0.0279	0.0167	0.1794	5.6000e-004	0.0667	4.5000e-004	0.0672	0.0178	4.2000e-004	0.0182	0.0000	50.5834	50.5834	1.2200e-003	0.0000	50.6141
Total	**0.0306**	**0.1212**	**0.2048**	**8.9000e-004**	**0.0751**	**5.7000e-004**	**0.0757**	**0.0202**	**5.4000e-004**	**0.0207**	**0.0000**	**82.3008**	**82.3008**	**2.8800e-003**	**0.0000**	**82.3729**

3.3 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8700e-003	0.0266	0.0440	7.0000e-005		1.2300e-003	1.2300e-003		1.1400e-003	1.1400e-003	0.0000	5.8868	5.8868	1.8700e-003	0.0000	5.9334
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8700e-003**	**0.0266**	**0.0440**	**7.0000e-005**		**1.2300e-003**	**1.2300e-003**		**1.1400e-003**	**1.1400e-003**	**0.0000**	**5.8868**	**5.8868**	**1.8700e-003**	**0.0000**	**5.9334**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.3000e-004	1.3700e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3868	0.3868	1.0000e-005	0.0000	0.3871
Total	**2.1000e-004**	**1.3000e-004**	**1.3700e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.3868**	**0.3868**	**1.0000e-005**	**0.0000**	**0.3871**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8700e-003	0.0266	0.0440	7.0000e-005		1.2300e-003	1.2300e-003		1.1400e-003	1.1400e-003	0.0000	5.8868	5.8868	1.8700e-003	0.0000	5.9334
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8700e-003**	**0.0266**	**0.0440**	**7.0000e-005**		**1.2300e-003**	**1.2300e-003**		**1.1400e-003**	**1.1400e-003**	**0.0000**	**5.8868**	**5.8868**	**1.8700e-003**	**0.0000**	**5.9334**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.3000e-004	1.3700e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3868	0.3868	1.0000e-005	0.0000	0.3871
Total	**2.1000e-004**	**1.3000e-004**	**1.3700e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.3868**	**0.3868**	**1.0000e-005**	**0.0000**	**0.3871**

3.4 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.7300e-003	9.0500e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**1.1713**	**5.7300e-003**	**9.0500e-003**	**1.0000e-005**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.7000e-004	1.7900e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5058	0.5058	1.0000e-005	0.0000	0.5061
Total	**2.8000e-004**	**1.7000e-004**	**1.7900e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5058**	**0.5058**	**1.0000e-005**	**0.0000**	**0.5061**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.7300e-003	9.0500e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**1.1713**	**5.7300e-003**	**9.0500e-003**	**1.0000e-005**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.7000e-004	1.7900e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5058	0.5058	1.0000e-005	0.0000	0.5061
Total	**2.8000e-004**	**1.7000e-004**	**1.7900e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5058**	**0.5058**	**1.0000e-005**	**0.0000**	**0.5061**

Elnoka Village Project - Unmitigated Construction - Phase 5

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 5

Land Use - Based on site plan and project description
Phase 5 Construction

Construction Phase - Phase 5 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/13/2025
tblConstructionPhase	PhaseEndDate	7/22/2025	8/21/2025
tblConstructionPhase	PhaseEndDate	8/2/2025	9/2/2025
tblConstructionPhase	PhaseStartDate	8/3/2025	9/3/2025
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2025
tblConstructionPhase	PhaseStartDate	7/23/2025	8/22/2025
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	234.3181	11.6007	14.5980	0.0313	0.7857	0.3982	1.1840	0.2104	0.3839	0.5942	0.0000	2,948.4677	2,948.4677	0.4136	0.0000	2,957.4390
Maximum	**234.3181**	**11.6007**	**14.5980**	**0.0313**	**0.7857**	**0.3982**	**1.1840**	**0.2104**	**0.3839**	**0.5942**	**0.0000**	**2,948.4677**	**2,948.4677**	**0.4136**	**0.0000**	**2,957.4390**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	234.3181	11.6007	14.5980	0.0313	0.7857	0.3982	1.1840	0.2104	0.3839	0.5942	0.0000	2,948.4677	2,948.4677	0.4136	0.0000	2,957.4390
Maximum	**234.3181**	**11.6007**	**14.5980**	**0.0313**	**0.7857**	**0.3982**	**1.1840**	**0.2104**	**0.3839**	**0.5942**	**0.0000**	**2,948.4677**	**2,948.4677**	**0.4136**	**0.0000**	**2,957.4390**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2025	8/21/2025	6	200	
2	Paving	Paving	8/22/2025	9/2/2025	6	10	
3	Architectural Coating	Architectural Coating	9/3/2025	9/13/2025	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**		**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	1.0389	0.2407	3.3000e-003	0.0875	1.2200e-003	0.0887	0.0251	1.1600e-003	0.0263		352.8538	352.8538	0.0177		353.2965
Worker	0.2864	0.1491	1.9179	5.9500e-003	0.6983	4.5500e-003	0.7028	0.1852	4.1900e-003	0.1894		593.4614	593.4614	0.0143		593.8177
Total	**0.3124**	**1.1879**	**2.1586**	**9.2500e-003**	**0.7857**	**5.7700e-003**	**0.7915**	**0.2104**	**5.3500e-003**	**0.2157**		**946.3153**	**946.3153**	**0.0320**		**947.1143**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**	**0.0000**	**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	1.0389	0.2407	3.3000e-003	0.0875	1.2200e-003	0.0887	0.0251	1.1600e-003	0.0263		352.8538	352.8538	0.0177		353.2965
Worker	0.2864	0.1491	1.9179	5.9500e-003	0.6983	4.5500e-003	0.7028	0.1852	4.1900e-003	0.1894		593.4614	593.4614	0.0143		593.8177
Total	**0.3124**	**1.1879**	**2.1586**	**9.2500e-003**	**0.7857**	**5.7700e-003**	**0.7915**	**0.2104**	**5.3500e-003**	**0.2157**		**946.3153**	**946.3153**	**0.0320**		**947.1143**

3.3 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**		**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0438	0.0228	0.2933	9.1000e-004	0.1068	7.0000e-004	0.1075	0.0283	6.4000e-004	0.0290		90.7647	90.7647	2.1800e-003		90.8192
Total	**0.0438**	**0.0228**	**0.2933**	**9.1000e-004**	**0.1068**	**7.0000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**90.7647**	**90.7647**	**2.1800e-003**		**90.8192**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**	**0.0000**	**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0438	0.0228	0.2933	9.1000e-004	0.1068	7.0000e-004	0.1075	0.0283	6.4000e-004	0.0290		90.7647	90.7647	2.1800e-003		90.8192
Total	**0.0438**	**0.0228**	**0.2933**	**9.1000e-004**	**0.1068**	**7.0000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**90.7647**	**90.7647**	**2.1800e-003**		**90.8192**

3.4 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**234.2608**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0298	0.3836	1.1900e-003	0.1397	9.1000e-004	0.1406	0.0370	8.4000e-004	0.0379		118.6923	118.6923	2.8500e-003		118.7635
Total	**0.0573**	**0.0298**	**0.3836**	**1.1900e-003**	**0.1397**	**9.1000e-004**	**0.1406**	**0.0370**	**8.4000e-004**	**0.0379**		**118.6923**	**118.6923**	**2.8500e-003**		**118.7635**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**234.2608**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0298	0.3836	1.1900e-003	0.1397	9.1000e-004	0.1406	0.0370	8.4000e-004	0.0379		118.6923	118.6923	2.8500e-003		118.7635
Total	**0.0573**	**0.0298**	**0.3836**	**1.1900e-003**	**0.1397**	**9.1000e-004**	**0.1406**	**0.0370**	**8.4000e-004**	**0.0379**		**118.6923**	**118.6923**	**2.8500e-003**		**118.7635**

Elnoka Village Project - Unmitigated Construction - Phase 5

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Unmitigated Construction - Phase 5

Land Use - Based on site plan and project description
Phase 5 Construction

Construction Phase - Phase 5 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/13/2025
tblConstructionPhase	PhaseEndDate	7/22/2025	8/21/2025
tblConstructionPhase	PhaseEndDate	8/2/2025	9/2/2025
tblConstructionPhase	PhaseStartDate	8/3/2025	9/3/2025
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2025
tblConstructionPhase	PhaseStartDate	7/23/2025	8/22/2025
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	234.3228	11.6411	14.5443	0.0308	0.7857	0.3983	1.1840	0.2104	0.3839	0.5943	0.0000	2,898.7584	2,898.7584	0.4135	0.0000	2,907.7413
Maximum	**234.3228**	**11.6411**	**14.5443**	**0.0308**	**0.7857**	**0.3983**	**1.1840**	**0.2104**	**0.3839**	**0.5943**	**0.0000**	**2,898.7584**	**2,898.7584**	**0.4135**	**0.0000**	**2,907.7413**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	234.3228	11.6411	14.5443	0.0308	0.7857	0.3983	1.1840	0.2104	0.3839	0.5943	0.0000	2,898.7584	2,898.7584	0.4135	0.0000	2,907.7413
Maximum	**234.3228**	**11.6411**	**14.5443**	**0.0308**	**0.7857**	**0.3983**	**1.1840**	**0.2104**	**0.3839**	**0.5943**	**0.0000**	**2,898.7584**	**2,898.7584**	**0.4135**	**0.0000**	**2,907.7413**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2025	8/21/2025	6	200	
2	Paving	Paving	8/22/2025	9/2/2025	6	10	
3	Architectural Coating	Architectural Coating	9/3/2025	9/13/2025	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**		**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0275	1.0440	0.2708	3.2300e-003	0.0875	1.2800e-003	0.0887	0.0251	1.2200e-003	0.0264		345.1695	345.1695	0.0190		345.6444
Worker	0.3098	0.1843	1.8342	5.5300e-003	0.6983	4.5500e-003	0.7028	0.1852	4.1900e-003	0.1894		551.4365	551.4365	0.0134		551.7721
Total	**0.3373**	**1.2283**	**2.1050**	**8.7600e-003**	**0.7857**	**5.8300e-003**	**0.7915**	**0.2104**	**5.4100e-003**	**0.2158**		**896.6060**	**896.6060**	**0.0324**		**897.4165**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**	**0.0000**	**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0275	1.0440	0.2708	3.2300e-003	0.0875	1.2800e-003	0.0887	0.0251	1.2200e-003	0.0264		345.1695	345.1695	0.0190		345.6444
Worker	0.3098	0.1843	1.8342	5.5300e-003	0.6983	4.5500e-003	0.7028	0.1852	4.1900e-003	0.1894		551.4365	551.4365	0.0134		551.7721
Total	**0.3373**	**1.2283**	**2.1050**	**8.7600e-003**	**0.7857**	**5.8300e-003**	**0.7915**	**0.2104**	**5.4100e-003**	**0.2158**		**896.6060**	**896.6060**	**0.0324**		**897.4165**

3.3 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**		**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0474	0.0282	0.2805	8.5000e-004	0.1068	7.0000e-004	0.1075	0.0283	6.4000e-004	0.0290		84.3374	84.3374	2.0500e-003		84.3887
Total	**0.0474**	**0.0282**	**0.2805**	**8.5000e-004**	**0.1068**	**7.0000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**84.3374**	**84.3374**	**2.0500e-003**		**84.3887**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**	**0.0000**	**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0474	0.0282	0.2805	8.5000e-004	0.1068	7.0000e-004	0.1075	0.0283	6.4000e-004	0.0290		84.3374	84.3374	2.0500e-003		84.3887
Total	**0.0474**	**0.0282**	**0.2805**	**8.5000e-004**	**0.1068**	**7.0000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**84.3374**	**84.3374**	**2.0500e-003**		**84.3887**

3.4 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**234.2608**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0620	0.0369	0.3668	1.1100e-003	0.1397	9.1000e-004	0.1406	0.0370	8.4000e-004	0.0379		110.2873	110.2873	2.6800e-003		110.3544
Total	**0.0620**	**0.0369**	**0.3668**	**1.1100e-003**	**0.1397**	**9.1000e-004**	**0.1406**	**0.0370**	**8.4000e-004**	**0.0379**		**110.2873**	**110.2873**	**2.6800e-003**		**110.3544**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**234.2608**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0620	0.0369	0.3668	1.1100e-003	0.1397	9.1000e-004	0.1406	0.0370	8.4000e-004	0.0379		110.2873	110.2873	2.6800e-003		110.3544
Total	**0.0620**	**0.0369**	**0.3668**	**1.1100e-003**	**0.1397**	**9.1000e-004**	**0.1406**	**0.0370**	**8.4000e-004**	**0.0379**		**110.2873**	**110.2873**	**2.6800e-003**		**110.3544**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 1

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	27.87	Acre	27.87	1,214,017.20	0
Parking Lot	11.15	Acre	11.15	485,694.00	0
Health Club	23.80	1000sqft	0.51	23,802.00	0
Apartments Low Rise	54.00	Dwelling Unit	8.54	76,090.10	154
Condo/Townhouse	12.00	Dwelling Unit	0.13	11,037.00	34
Congregate Care (Assisted Living)	62.00	Dwelling Unit	0.82	71,140.00	177
Single Family Housing	74.00	Dwelling Unit	3.02	131,461.00	212

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 1

Land Use - Based on site plan and project description - site work and grading for the entire site

Construction Phase - Expected construction schedule

Grading - 52.04 acres to be disturbed; material expected to be balanced onsite

Demolition - Existing structures and hardscape to be demolished

Vehicle Trips - Construction run only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	1,110.00	313.00

tblConstructionPhase	NumDays	70.00	13.00
tblConstructionPhase	NumDays	110.00	79.00
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	40.00	13.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	3/18/2020	11/30/2021
tblConstructionPhase	PhaseEndDate	1/17/2020	9/30/2021
tblConstructionPhase	PhaseEndDate	10/2/2018	6/15/2020
tblConstructionPhase	PhaseEndDate	1/17/2019	9/30/2020
tblConstructionPhase	PhaseEndDate	2/17/2020	10/31/2021
tblConstructionPhase	PhaseEndDate	10/17/2018	6/30/2020
tblConstructionPhase	PhaseStartDate	2/18/2020	11/1/2021
tblConstructionPhase	PhaseStartDate	1/18/2019	10/1/2020
tblConstructionPhase	PhaseStartDate	9/18/2018	6/1/2020
tblConstructionPhase	PhaseStartDate	10/18/2018	7/1/2020
tblConstructionPhase	PhaseStartDate	1/18/2020	10/1/2021
tblConstructionPhase	PhaseStartDate	10/3/2018	6/16/2020
tblGrading	AcresOfGrading	197.50	52.04
tblLandUse	BuildingSpaceSquareFeet	23,800.00	23,802.00
tblLandUse	BuildingSpaceSquareFeet	54,000.00	76,090.10
tblLandUse	BuildingSpaceSquareFeet	12,000.00	11,037.00
tblLandUse	BuildingSpaceSquareFeet	62,000.00	71,140.00
tblLandUse	BuildingSpaceSquareFeet	133,200.00	131,461.00
tblLandUse	LandUseSquareFeet	23,800.00	23,802.00
tblLandUse	LandUseSquareFeet	54,000.00	76,090.10

tblLandUse	LandUseSquareFeet	12,000.00	11,037.00
tblLandUse	LandUseSquareFeet	62,000.00	71,140.00
tblLandUse	LandUseSquareFeet	133,200.00	131,461.00
tblLandUse	LotAcreage	0.55	0.51
tblLandUse	LotAcreage	3.38	8.54
tblLandUse	LotAcreage	0.75	0.13
tblLandUse	LotAcreage	3.88	0.82
tblLandUse	LotAcreage	24.03	3.02
tblProjectCharacteristics	OperationalYear	2018	2020

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.5194	4.8301	3.7754	0.0101	0.7599	0.1651	0.9250	0.2972	0.1531	0.4504	0.0000	917.5821	917.5821	0.1338	0.0000	920.9280
2021	3.3340	6.4118	6.2846	0.0207	1.0234	0.1381	1.1615	0.2777	0.1298	0.4075	0.0000	1,912.9459	1,912.9459	0.1518	0.0000	1,916.7411
Maximum	**3.3340**	**6.4118**	**6.2846**	**0.0207**	**1.0234**	**0.1651**	**1.1615**	**0.2972**	**0.1531**	**0.4504**	**0.0000**	**1,912.9459**	**1,912.9459**	**0.1518**	**0.0000**	**1,916.7411**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.2727	1.8651	3.8571	0.0101	0.5340	0.0197	0.5538	0.1859	0.0192	0.2051	0.0000	917.5817	917.5817	0.1338	0.0000	920.9276
2021	3.1651	4.5224	6.4486	0.0207	1.0234	0.0296	1.0529	0.2777	0.0287	0.3063	0.0000	1,912.9456	1,912.9456	0.1518	0.0000	1,916.7407
Maximum	**3.1651**	**4.5224**	**6.4486**	**0.0207**	**1.0234**	**0.0296**	**1.0529**	**0.2777**	**0.0287**	**0.3063**	**0.0000**	**1,912.9456**	**1,912.9456**	**0.1518**	**0.0000**	**1,916.7407**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**10.79**	**43.18**	**-2.44**	**0.00**	**12.67**	**83.74**	**22.99**	**19.37**	**83.08**	**40.38**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
7	3-18-2020	6-17-2020	0.3133	0.0567
8	6-18-2020	9-17-2020	2.1155	0.1576
9	9-18-2020	12-17-2020	2.5361	1.6566
10	12-18-2020	3-17-2021	2.3687	1.7400
11	3-18-2021	6-17-2021	2.3422	1.7111
12	6-18-2021	9-17-2021	2.3349	1.7038
13	9-18-2021	9-30-2021	0.3299	0.2408
		Highest	2.5361	1.7400

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/15/2020	6	13	
2	Site Preparation	Site Preparation	6/16/2020	6/30/2020	6	13	
3	Grading	Grading	7/1/2020	9/30/2020	6	79	
4	Building Construction	Building Construction	10/1/2020	9/30/2021	6	313	
5	Paving	Paving	10/1/2021	10/31/2021	6	26	
6	Architectural Coating	Architectural Coating	11/1/2021	11/30/2021	6	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 52.04

Acres of Paving: 39.02

Residential Indoor: 586,699; Residential Outdoor: 195,566; Non-Residential Indoor: 35,703; Non-Residential Outdoor: 11,901; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	257.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	843.00	304.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	169.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0278	0.0000	0.0278	4.2100e-003	0.0000	4.2100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0215	0.2158	0.1414	2.5000e-004		0.0108	0.0108		0.0100	0.0100	0.0000	22.0991	22.0991	6.2400e-003	0.0000	22.2551
Total	**0.0215**	**0.2158**	**0.1414**	**2.5000e-004**	**0.0278**	**0.0108**	**0.0386**	**4.2100e-003**	**0.0100**	**0.0142**	**0.0000**	**22.0991**	**22.0991**	**6.2400e-003**	**0.0000**	**22.2551**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0200e-003	0.0380	7.7300e-003	1.0000e-004	2.1300e-003	1.4000e-004	2.2700e-003	5.8000e-004	1.3000e-004	7.1000e-004	0.0000	9.8990	9.8990	6.1000e-004	0.0000	9.9141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.4000e-004	3.4000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.7049	0.7049	3.0000e-005	0.0000	0.7055
Total	**1.4800e-003**	**0.0383**	**0.0111**	**1.1000e-004**	**2.9000e-003**	**1.5000e-004**	**3.0400e-003**	**7.8000e-004**	**1.4000e-004**	**9.2000e-004**	**0.0000**	**10.6038**	**10.6038**	**6.4000e-004**	**0.0000**	**10.6197**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0125	0.0000	0.0125	1.9000e-003	0.0000	1.9000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-003	0.0130	0.1513	2.5000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	22.0991	22.0991	6.2400e-003	0.0000	22.2550
Total	**3.0000e-003**	**0.0130**	**0.1513**	**2.5000e-004**	**0.0125**	**4.0000e-004**	**0.0129**	**1.9000e-003**	**4.0000e-004**	**2.3000e-003**	**0.0000**	**22.0991**	**22.0991**	**6.2400e-003**	**0.0000**	**22.2550**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0200e-003	0.0380	7.7300e-003	1.0000e-004	2.1300e-003	1.4000e-004	2.2700e-003	5.8000e-004	1.3000e-004	7.1000e-004	0.0000	9.8990	9.8990	6.1000e-004	0.0000	9.9141
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.4000e-004	3.4000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.7049	0.7049	3.0000e-005	0.0000	0.7055
Total	**1.4800e-003**	**0.0383**	**0.0111**	**1.1000e-004**	**2.9000e-003**	**1.5000e-004**	**3.0400e-003**	**7.8000e-004**	**1.4000e-004**	**9.2000e-004**	**0.0000**	**10.6038**	**10.6038**	**6.4000e-004**	**0.0000**	**10.6197**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1174	0.0000	0.1174	0.0646	0.0000	0.0646	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0265	0.2757	0.1398	2.5000e-004		0.0143	0.0143		0.0131	0.0131	0.0000	21.7299	21.7299	7.0300e-003	0.0000	21.9056
Total	**0.0265**	**0.2757**	**0.1398**	**2.5000e-004**	**0.1174**	**0.0143**	**0.1317**	**0.0646**	**0.0131**	**0.0777**	**0.0000**	**21.7299**	**21.7299**	**7.0300e-003**	**0.0000**	**21.9056**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	4.1000e-004	4.0800e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8459	0.8459	3.0000e-005	0.0000	0.8466
Total	**5.6000e-004**	**4.1000e-004**	**4.0800e-003**	**1.0000e-005**	**9.2000e-004**	**1.0000e-005**	**9.3000e-004**	**2.4000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.8459**	**0.8459**	**3.0000e-005**	**0.0000**	**0.8466**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0528	0.0000	0.0528	0.0291	0.0000	0.0291	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0300e-003	0.0131	0.1357	2.5000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	21.7299	21.7299	7.0300e-003	0.0000	21.9056
Total	**3.0300e-003**	**0.0131**	**0.1357**	**2.5000e-004**	**0.0528**	**4.0000e-004**	**0.0532**	**0.0291**	**4.0000e-004**	**0.0295**	**0.0000**	**21.7299**	**21.7299**	**7.0300e-003**	**0.0000**	**21.9056**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	4.1000e-004	4.0800e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8459	0.8459	3.0000e-005	0.0000	0.8466
Total	**5.6000e-004**	**4.1000e-004**	**4.0800e-003**	**1.0000e-005**	**9.2000e-004**	**1.0000e-005**	**9.3000e-004**	**2.4000e-004**	**1.0000e-005**	**2.5000e-004**	**0.0000**	**0.8459**	**0.8459**	**3.0000e-005**	**0.0000**	**0.8466**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2655	0.0000	0.2655	0.1337	0.0000	0.1337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1758	1.9828	1.2624	2.4500e-003		0.0859	0.0859		0.0790	0.0790	0.0000	215.2130	215.2130	0.0696	0.0000	216.9531
Total	**0.1758**	**1.9828**	**1.2624**	**2.4500e-003**	**0.2655**	**0.0859**	**0.3513**	**0.1337**	**0.0790**	**0.2127**	**0.0000**	**215.2130**	**215.2130**	**0.0696**	**0.0000**	**216.9531**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7700e-003	2.7400e-003	0.0275	6.0000e-005	6.2000e-003	5.0000e-005	6.2500e-003	1.6500e-003	5.0000e-005	1.7000e-003	0.0000	5.7114	5.7114	2.1000e-004	0.0000	5.7166
Total	**3.7700e-003**	**2.7400e-003**	**0.0275**	**6.0000e-005**	**6.2000e-003**	**5.0000e-005**	**6.2500e-003**	**1.6500e-003**	**5.0000e-005**	**1.7000e-003**	**0.0000**	**5.7114**	**5.7114**	**2.1000e-004**	**0.0000**	**5.7166**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1195	0.0000	0.1195	0.0602	0.0000	0.0602	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0301	0.1304	1.3035	2.4500e-003		4.0100e-003	4.0100e-003		4.0100e-003	4.0100e-003	0.0000	215.2127	215.2127	0.0696	0.0000	216.9528
Total	**0.0301**	**0.1304**	**1.3035**	**2.4500e-003**	**0.1195**	**4.0100e-003**	**0.1235**	**0.0602**	**4.0100e-003**	**0.0642**	**0.0000**	**215.2127**	**215.2127**	**0.0696**	**0.0000**	**216.9528**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7700e-003	2.7400e-003	0.0275	6.0000e-005	6.2000e-003	5.0000e-005	6.2500e-003	1.6500e-003	5.0000e-005	1.7000e-003	0.0000	5.7114	5.7114	2.1000e-004	0.0000	5.7166
Total	**3.7700e-003**	**2.7400e-003**	**0.0275**	**6.0000e-005**	**6.2000e-003**	**5.0000e-005**	**6.2500e-003**	**1.6500e-003**	**5.0000e-005**	**1.7000e-003**	**0.0000**	**5.7114**	**5.7114**	**2.1000e-004**	**0.0000**	**5.7166**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0837	0.7579	0.6655	1.0600e-003		0.0441	0.0441		0.0415	0.0415	0.0000	91.4859	91.4859	0.0223	0.0000	92.0439
Total	**0.0837**	**0.7579**	**0.6655**	**1.0600e-003**		**0.0441**	**0.0441**		**0.0415**	**0.0415**	**0.0000**	**91.4859**	**91.4859**	**0.0223**	**0.0000**	**92.0439**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0473	1.4410	0.3638	3.2000e-003	0.0779	7.6700e-003	0.0855	0.0225	7.3400e-003	0.0298	0.0000	309.1574	309.1574	0.0189	0.0000	309.6309
Worker	0.1588	0.1154	1.1598	2.6700e-003	0.2613	2.1300e-003	0.2635	0.0696	1.9600e-003	0.0715	0.0000	240.7357	240.7357	8.8300e-003	0.0000	240.9565
Total	**0.2060**	**1.5565**	**1.5236**	**5.8700e-003**	**0.3392**	**9.8000e-003**	**0.3490**	**0.0921**	**9.3000e-003**	**0.1014**	**0.0000**	**549.8931**	**549.8931**	**0.0278**	**0.0000**	**550.5874**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0247	0.1107	0.7004	1.0600e-003		4.9300e-003	4.9300e-003		4.9300e-003	4.9300e-003	0.0000	91.4858	91.4858	0.0223	0.0000	92.0438
Total	**0.0247**	**0.1107**	**0.7004**	**1.0600e-003**		**4.9300e-003**	**4.9300e-003**		**4.9300e-003**	**4.9300e-003**	**0.0000**	**91.4858**	**91.4858**	**0.0223**	**0.0000**	**92.0438**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0473	1.4410	0.3638	3.2000e-003	0.0779	7.6700e-003	0.0855	0.0225	7.3400e-003	0.0298	0.0000	309.1574	309.1574	0.0189	0.0000	309.6309
Worker	0.1588	0.1154	1.1598	2.6700e-003	0.2613	2.1300e-003	0.2635	0.0696	1.9600e-003	0.0715	0.0000	240.7357	240.7357	8.8300e-003	0.0000	240.9565
Total	**0.2060**	**1.5565**	**1.5236**	**5.8700e-003**	**0.3392**	**9.8000e-003**	**0.3490**	**0.0921**	**9.3000e-003**	**0.1014**	**0.0000**	**549.8931**	**549.8931**	**0.0278**	**0.0000**	**550.5874**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2224	2.0396	1.9393	3.1500e-003		0.1122	0.1122		0.1055	0.1055	0.0000	271.0156	271.0156	0.0654	0.0000	272.6502
Total	**0.2224**	**2.0396**	**1.9393**	**3.1500e-003**		**0.1122**	**0.1122**		**0.1055**	**0.1055**	**0.0000**	**271.0156**	**271.0156**	**0.0654**	**0.0000**	**272.6502**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1130	3.8724	0.9481	9.3900e-003	0.2306	9.7200e-003	0.2403	0.0666	9.2900e-003	0.0759	0.0000	907.4880	907.4880	0.0539	0.0000	908.8361
Worker	0.4361	0.3047	3.1077	7.6200e-003	0.7741	6.0500e-003	0.7801	0.2060	5.5800e-003	0.2116	0.0000	688.3975	688.3975	0.0233	0.0000	688.9797
Total	**0.5491**	**4.1770**	**4.0558**	**0.0170**	**1.0046**	**0.0158**	**1.0204**	**0.2727**	**0.0149**	**0.2875**	**0.0000**	**1,595.8855**	**1,595.8855**	**0.0772**	**0.0000**	**1,597.8158**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0686	0.3205	2.0688	3.1500e-003		0.0131	0.0131		0.0131	0.0131	0.0000	271.0153	271.0153	0.0654	0.0000	272.6499
Total	**0.0686**	**0.3205**	**2.0688**	**3.1500e-003**		**0.0131**	**0.0131**		**0.0131**	**0.0131**	**0.0000**	**271.0153**	**271.0153**	**0.0654**	**0.0000**	**272.6499**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1130	3.8724	0.9481	9.3900e-003	0.2306	9.7200e-003	0.2403	0.0666	9.2900e-003	0.0759	0.0000	907.4880	907.4880	0.0539	0.0000	908.8361
Worker	0.4361	0.3047	3.1077	7.6200e-003	0.7741	6.0500e-003	0.7801	0.2060	5.5800e-003	0.2116	0.0000	688.3975	688.3975	0.0233	0.0000	688.9797
Total	**0.5491**	**4.1770**	**4.0558**	**0.0170**	**1.0046**	**0.0158**	**1.0204**	**0.2727**	**0.0149**	**0.2875**	**0.0000**	**1,595.8855**	**1,595.8855**	**0.0772**	**0.0000**	**1,597.8158**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0163	0.1680	0.1905	3.0000e-004		8.8100e-003	8.8100e-003		8.1100e-003	8.1100e-003	0.0000	26.0305	26.0305	8.4200e-003	0.0000	26.2410
Paving	0.0146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0309**	**0.1680**	**0.1905**	**3.0000e-004**		**8.8100e-003**	**8.8100e-003**		**8.1100e-003**	**8.1100e-003**	**0.0000**	**26.0305**	**26.0305**	**8.4200e-003**	**0.0000**	**26.2410**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	6.0000e-004	6.1400e-003	2.0000e-005	1.5300e-003	1.0000e-005	1.5400e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.3610	1.3610	5.0000e-005	0.0000	1.3622
Total	**8.6000e-004**	**6.0000e-004**	**6.1400e-003**	**2.0000e-005**	**1.5300e-003**	**1.0000e-005**	**1.5400e-003**	**4.1000e-004**	**1.0000e-005**	**4.2000e-004**	**0.0000**	**1.3610**	**1.3610**	**5.0000e-005**	**0.0000**	**1.3622**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6500e-003	0.0158	0.2248	3.0000e-004		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	26.0305	26.0305	8.4200e-003	0.0000	26.2410
Paving	0.0146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0183**	**0.0158**	**0.2248**	**3.0000e-004**		**4.9000e-004**	**4.9000e-004**		**4.9000e-004**	**4.9000e-004**	**0.0000**	**26.0305**	**26.0305**	**8.4200e-003**	**0.0000**	**26.2410**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.6000e-004	6.0000e-004	6.1400e-003	2.0000e-005	1.5300e-003	1.0000e-005	1.5400e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.3610	1.3610	5.0000e-005	0.0000	1.3622
Total	**8.6000e-004**	**6.0000e-004**	**6.1400e-003**	**2.0000e-005**	**1.5300e-003**	**1.0000e-005**	**1.5400e-003**	**4.1000e-004**	**1.0000e-005**	**4.2000e-004**	**0.0000**	**1.3610**	**1.3610**	**5.0000e-005**	**0.0000**	**1.3622**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.5181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8500e-003	0.0199	0.0236	4.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	3.3192	3.3192	2.3000e-004	0.0000	3.3249
Total	**2.5210**	**0.0199**	**0.0236**	**4.0000e-005**		**1.2200e-003**	**1.2200e-003**		**1.2200e-003**	**1.2200e-003**	**0.0000**	**3.3192**	**3.3192**	**2.3000e-004**	**0.0000**	**3.3249**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7100e-003	6.7900e-003	0.0692	1.7000e-004	0.0172	1.3000e-004	0.0174	4.5900e-003	1.2000e-004	4.7100e-003	0.0000	15.3340	15.3340	5.2000e-004	0.0000	15.3470
Total	**9.7100e-003**	**6.7900e-003**	**0.0692**	**1.7000e-004**	**0.0172**	**1.3000e-004**	**0.0174**	**4.5900e-003**	**1.2000e-004**	**4.7100e-003**	**0.0000**	**15.3340**	**15.3340**	**5.2000e-004**	**0.0000**	**15.3470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.5181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-004	1.6700e-003	0.0238	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.3192	3.3192	2.3000e-004	0.0000	3.3249
Total	**2.5185**	**1.6700e-003**	**0.0238**	**4.0000e-005**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**3.3192**	**3.3192**	**2.3000e-004**	**0.0000**	**3.3249**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7100e-003	6.7900e-003	0.0692	1.7000e-004	0.0172	1.3000e-004	0.0174	4.5900e-003	1.2000e-004	4.7100e-003	0.0000	15.3340	15.3340	5.2000e-004	0.0000	15.3470
Total	**9.7100e-003**	**6.7900e-003**	**0.0692**	**1.7000e-004**	**0.0172**	**1.3000e-004**	**0.0174**	**4.5900e-003**	**1.2000e-004**	**4.7100e-003**	**0.0000**	**15.3340**	**15.3340**	**5.2000e-004**	**0.0000**	**15.3470**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 1

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	27.87	Acre	27.87	1,214,017.20	0
Parking Lot	11.15	Acre	11.15	485,694.00	0
Health Club	23.80	1000sqft	0.51	23,802.00	0
Apartments Low Rise	54.00	Dwelling Unit	8.54	76,090.10	154
Condo/Townhouse	12.00	Dwelling Unit	0.13	11,037.00	34
Congregate Care (Assisted Living)	62.00	Dwelling Unit	0.82	71,140.00	177
Single Family Housing	74.00	Dwelling Unit	3.02	131,461.00	212

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 1

Land Use - Based on site plan and project description - site work and grading for the entire site

Construction Phase - Expected construction schedule

Grading - 52.04 acres to be disturbed; material expected to be balanced onsite

Demolition - Existing structures and hardscape to be demolished

Vehicle Trips - Construction run only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	1,110.00	313.00

tblConstructionPhase	NumDays	70.00	13.00
tblConstructionPhase	NumDays	110.00	79.00
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	40.00	13.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	3/18/2020	11/30/2021
tblConstructionPhase	PhaseEndDate	1/17/2020	9/30/2021
tblConstructionPhase	PhaseEndDate	10/2/2018	6/15/2020
tblConstructionPhase	PhaseEndDate	1/17/2019	9/30/2020
tblConstructionPhase	PhaseEndDate	2/17/2020	10/31/2021
tblConstructionPhase	PhaseEndDate	10/17/2018	6/30/2020
tblConstructionPhase	PhaseStartDate	2/18/2020	11/1/2021
tblConstructionPhase	PhaseStartDate	1/18/2019	10/1/2020
tblConstructionPhase	PhaseStartDate	9/18/2018	6/1/2020
tblConstructionPhase	PhaseStartDate	10/18/2018	7/1/2020
tblConstructionPhase	PhaseStartDate	1/18/2020	10/1/2021
tblConstructionPhase	PhaseStartDate	10/3/2018	6/16/2020
tblGrading	AcresOfGrading	197.50	52.04
tblLandUse	BuildingSpaceSquareFeet	23,800.00	23,802.00
tblLandUse	BuildingSpaceSquareFeet	54,000.00	76,090.10
tblLandUse	BuildingSpaceSquareFeet	12,000.00	11,037.00
tblLandUse	BuildingSpaceSquareFeet	62,000.00	71,140.00
tblLandUse	BuildingSpaceSquareFeet	133,200.00	131,461.00
tblLandUse	LandUseSquareFeet	23,800.00	23,802.00
tblLandUse	LandUseSquareFeet	54,000.00	76,090.10

tblLandUse	LandUseSquareFeet	12,000.00	11,037.00
tblLandUse	LandUseSquareFeet	62,000.00	71,140.00
tblLandUse	LandUseSquareFeet	133,200.00	131,461.00
tblLandUse	LotAcreage	0.55	0.51
tblLandUse	LotAcreage	3.38	8.54
tblLandUse	LotAcreage	0.75	0.13
tblLandUse	LotAcreage	3.88	0.82
tblLandUse	LotAcreage	24.03	3.02
tblProjectCharacteristics	OperationalYear	2018	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	7.4133	57.8837	56.4714	0.1806	18.2141	2.1986	20.4127	9.9699	2.0227	11.9926	0.0000	18,408.1667	18,408.1667	1.9485	0.0000	18,442.9413
2021	194.6886	52.5512	52.2436	0.1773	8.9710	1.0918	10.0628	2.4249	1.0269	3.4518	0.0000	18,083.6900	18,083.6900	1.3362	0.0000	18,117.0953
Maximum	**194.6886**	**57.8837**	**56.4714**	**0.1806**	**18.2141**	**2.1986**	**20.4127**	**9.9699**	**2.0227**	**11.9926**	**0.0000**	**18,408.1667**	**18,408.1667**	**1.9485**	**0.0000**	**18,442.9413**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	5.9196	41.4997	57.3533	0.1806	8.9713	0.3710	9.3422	4.5080	0.3585	4.5712	0.0000	18,408.1667	18,408.1667	1.9485	0.0000	18,442.9413
2021	194.4995	37.8587	53.3506	0.1773	8.9710	0.2451	9.2162	2.4249	0.2376	2.6625	0.0000	18,083.6900	18,083.6900	1.3362	0.0000	18,117.0953
Maximum	**194.4995**	**41.4997**	**57.3533**	**0.1806**	**8.9713**	**0.3710**	**9.3422**	**4.5080**	**0.3585**	**4.5712**	**0.0000**	**18,408.1667**	**18,408.1667**	**1.9485**	**0.0000**	**18,442.9413**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.83**	**28.14**	**-1.83**	**0.00**	**34.00**	**81.27**	**39.10**	**44.07**	**80.46**	**53.16**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/15/2020	6	13	
2	Site Preparation	Site Preparation	6/16/2020	6/30/2020	6	13	
3	Grading	Grading	7/1/2020	9/30/2020	6	79	
4	Building Construction	Building Construction	10/1/2020	9/30/2021	6	313	
5	Paving	Paving	10/1/2021	10/31/2021	6	26	
6	Architectural Coating	Architectural Coating	11/1/2021	11/30/2021	6	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 52.04

Acres of Paving: 39.02

Residential Indoor: 586,699; Residential Outdoor: 195,566; Non-Residential Indoor: 35,703; Non-Residential Outdoor: 11,901; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	257.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	843.00	304.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	169.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2798	0.0000	4.2798	0.6480	0.0000	0.6480			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**4.2798**	**1.6587**	**5.9385**	**0.6480**	**1.5419**	**2.1899**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1553	5.7348	1.1553	0.0157	0.3413	0.0206	0.3619	0.0932	0.0197	0.1129		1,688.4231	1,688.4231	0.1011		1,690.9502
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0733	0.0464	0.5510	1.2800e-003	0.1232	9.6000e-004	0.1242	0.0327	8.8000e-004	0.0336		127.2106	127.2106	4.5800e-003		127.3252
Total	**0.2287**	**5.7813**	**1.7062**	**0.0170**	**0.4645**	**0.0215**	**0.4861**	**0.1258**	**0.0206**	**0.1464**		**1,815.6337**	**1,815.6337**	**0.1057**		**1,818.2753**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9259	0.0000	1.9259	0.2916	0.0000	0.2916			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**1.9259**	**0.0616**	**1.9876**	**0.2916**	**0.0616**	**0.3532**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1553	5.7348	1.1553	0.0157	0.3413	0.0206	0.3619	0.0932	0.0197	0.1129		1,688.4231	1,688.4231	0.1011		1,690.9502
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0733	0.0464	0.5510	1.2800e-003	0.1232	9.6000e-004	0.1242	0.0327	8.8000e-004	0.0336		127.2106	127.2106	4.5800e-003		127.3252
Total	**0.2287**	**5.7813**	**1.7062**	**0.0170**	**0.4645**	**0.0215**	**0.4861**	**0.1258**	**0.0206**	**0.1464**		**1,815.6337**	**1,815.6337**	**0.1057**		**1,818.2753**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0880	0.0557	0.6611	1.5300e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		152.6527	152.6527	5.5000e-003		152.7902
Total	**0.0880**	**0.0557**	**0.6611**	**1.5300e-003**	**0.1479**	**1.1500e-003**	**0.1490**	**0.0392**	**1.0600e-003**	**0.0403**		**152.6527**	**152.6527**	**5.5000e-003**		**152.7902**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.4656**	**2.0175**	**20.8690**	**0.0380**	**8.1298**	**0.0621**	**8.1919**	**4.4688**	**0.0621**	**4.5309**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0880	0.0557	0.6611	1.5300e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		152.6527	152.6527	5.5000e-003		152.7902
Total	**0.0880**	**0.0557**	**0.6611**	**1.5300e-003**	**0.1479**	**1.1500e-003**	**0.1490**	**0.0392**	**1.0600e-003**	**0.0403**		**152.6527**	**152.6527**	**5.5000e-003**		**152.7902**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7207	0.0000	6.7207	3.3857	0.0000	3.3857			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.7207**	**2.1739**	**8.8946**	**3.3857**	**2.0000**	**5.3857**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0978	0.0619	0.7346	1.7000e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		169.6142	169.6142	6.1100e-003		169.7669
Total	**0.0978**	**0.0619**	**0.7346**	**1.7000e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**169.6142**	**169.6142**	**6.1100e-003**		**169.7669**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0243	0.0000	3.0243	1.5236	0.0000	1.5236			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**0.7616**	**3.3000**	**32.9991**	**0.0620**	**3.0243**	**0.1015**	**3.1258**	**1.5236**	**0.1015**	**1.6251**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0978	0.0619	0.7346	1.7000e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		169.6142	169.6142	6.1100e-003		169.7669
Total	**0.0978**	**0.0619**	**0.7346**	**1.7000e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**169.6142**	**169.6142**	**6.1100e-003**		**169.7669**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1718	36.0887	8.6596	0.0818	2.0462	0.1924	2.2385	0.5882	0.1840	0.7722		8,705.8672	8,705.8672	0.5106		8,718.6329
Worker	4.1217	2.6090	30.9633	0.0719	6.9251	0.0539	6.9789	1.8369	0.0497	1.8866		7,149.2365	7,149.2365	0.2575		7,155.6740
Total	**5.2935**	**38.6977**	**39.6229**	**0.1537**	**8.9713**	**0.2462**	**9.2175**	**2.4250**	**0.2337**	**2.6587**		**15,855.1037**	**15,855.1037**	**0.7681**		**15,874.3068**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6261	2.8021	17.7304	0.0269		0.1248	0.1248		0.1248	0.1248	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**0.6261**	**2.8021**	**17.7304**	**0.0269**		**0.1248**	**0.1248**		**0.1248**	**0.1248**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1718	36.0887	8.6596	0.0818	2.0462	0.1924	2.2385	0.5882	0.1840	0.7722		8,705.8672	8,705.8672	0.5106		8,718.6329
Worker	4.1217	2.6090	30.9633	0.0719	6.9251	0.0539	6.9789	1.8369	0.0497	1.8866		7,149.2365	7,149.2365	0.2575		7,155.6740
Total	**5.2935**	**38.6977**	**39.6229**	**0.1537**	**8.9713**	**0.2462**	**9.2175**	**2.4250**	**0.2337**	**2.6587**		**15,855.1037**	**15,855.1037**	**0.7681**		**15,874.3068**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9434	32.7941	7.6000	0.0810	2.0460	0.0815	2.1274	0.5881	0.0779	0.6660		8,628.1048	8,628.1048	0.4908		8,640.3736
Worker	3.8234	2.3250	28.0684	0.0694	6.9251	0.0517	6.9768	1.8369	0.0477	1.8845		6,902.2213	6,902.2213	0.2295		6,907.9575
Total	**4.7668**	**35.1191**	**35.6684**	**0.1504**	**8.9710**	**0.1332**	**9.1042**	**2.4249**	**0.1256**	**2.5505**		**15,530.3261**	**15,530.3261**	**0.7202**		**15,548.3311**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5867	2.7396	17.6822	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**0.5867**	**2.7396**	**17.6822**	**0.0269**		**0.1120**	**0.1120**		**0.1120**	**0.1120**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9434	32.7941	7.6000	0.0810	2.0460	0.0815	2.1274	0.5881	0.0779	0.6660		8,628.1048	8,628.1048	0.4908		8,640.3736
Worker	3.8234	2.3250	28.0684	0.0694	6.9251	0.0517	6.9768	1.8369	0.0477	1.8845		6,902.2213	6,902.2213	0.2295		6,907.9575
Total	**4.7668**	**35.1191**	**35.6684**	**0.1504**	**8.9710**	**0.1332**	**9.1042**	**2.4249**	**0.1256**	**2.5505**		**15,530.3261**	**15,530.3261**	**0.7202**		**15,548.3311**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	1.1236					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3791**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0680	0.0414	0.4994	1.2300e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		122.8153	122.8153	4.0800e-003		122.9174
Total	**0.0680**	**0.0414**	**0.4994**	**1.2300e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**122.8153**	**122.8153**	**4.0800e-003**		**122.9174**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	1.1236					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4041**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0680	0.0414	0.4994	1.2300e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		122.8153	122.8153	4.0800e-003		122.9174
Total	**0.0680**	**0.0414**	**0.4994**	**1.2300e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**122.8153**	**122.8153**	**4.0800e-003**		**122.9174**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	193.7033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**193.9222**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7665	0.4661	5.6270	0.0139	1.3883	0.0104	1.3987	0.3682	9.5600e-003	0.3778		1,383.7193	1,383.7193	0.0460		1,384.8693
Total	**0.7665**	**0.4661**	**5.6270**	**0.0139**	**1.3883**	**0.0104**	**1.3987**	**0.3682**	**9.5600e-003**	**0.3778**		**1,383.7193**	**1,383.7193**	**0.0460**		**1,384.8693**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	193.7033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**193.7330**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7665	0.4661	5.6270	0.0139	1.3883	0.0104	1.3987	0.3682	9.5600e-003	0.3778		1,383.7193	1,383.7193	0.0460		1,384.8693
Total	**0.7665**	**0.4661**	**5.6270**	**0.0139**	**1.3883**	**0.0104**	**1.3987**	**0.3682**	**9.5600e-003**	**0.3778**		**1,383.7193**	**1,383.7193**	**0.0460**		**1,384.8693**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 1

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	27.87	Acre	27.87	1,214,017.20	0
Parking Lot	11.15	Acre	11.15	485,694.00	0
Health Club	23.80	1000sqft	0.51	23,802.00	0
Apartments Low Rise	54.00	Dwelling Unit	8.54	76,090.10	154
Condo/Townhouse	12.00	Dwelling Unit	0.13	11,037.00	34
Congregate Care (Assisted Living)	62.00	Dwelling Unit	0.82	71,140.00	177
Single Family Housing	74.00	Dwelling Unit	3.02	131,461.00	212

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 1

Land Use - Based on site plan and project description - site work and grading for the entire site

Construction Phase - Expected construction schedule

Grading - 52.04 acres to be disturbed; material expected to be balanced onsite

Demolition - Existing structures and hardscape to be demolished

Vehicle Trips - Construction run only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	1,110.00	313.00

tblConstructionPhase	NumDays	70.00	13.00
tblConstructionPhase	NumDays	110.00	79.00
tblConstructionPhase	NumDays	75.00	26.00
tblConstructionPhase	NumDays	40.00	13.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	3/18/2020	11/30/2021
tblConstructionPhase	PhaseEndDate	1/17/2020	9/30/2021
tblConstructionPhase	PhaseEndDate	10/2/2018	6/15/2020
tblConstructionPhase	PhaseEndDate	1/17/2019	9/30/2020
tblConstructionPhase	PhaseEndDate	2/17/2020	10/31/2021
tblConstructionPhase	PhaseEndDate	10/17/2018	6/30/2020
tblConstructionPhase	PhaseStartDate	2/18/2020	11/1/2021
tblConstructionPhase	PhaseStartDate	1/18/2019	10/1/2020
tblConstructionPhase	PhaseStartDate	9/18/2018	6/1/2020
tblConstructionPhase	PhaseStartDate	10/18/2018	7/1/2020
tblConstructionPhase	PhaseStartDate	1/18/2020	10/1/2021
tblConstructionPhase	PhaseStartDate	10/3/2018	6/16/2020
tblGrading	AcresOfGrading	197.50	52.04
tblLandUse	BuildingSpaceSquareFeet	23,800.00	23,802.00
tblLandUse	BuildingSpaceSquareFeet	54,000.00	76,090.10
tblLandUse	BuildingSpaceSquareFeet	12,000.00	11,037.00
tblLandUse	BuildingSpaceSquareFeet	62,000.00	71,140.00
tblLandUse	BuildingSpaceSquareFeet	133,200.00	131,461.00
tblLandUse	LandUseSquareFeet	23,800.00	23,802.00
tblLandUse	LandUseSquareFeet	54,000.00	76,090.10

tblLandUse	LandUseSquareFeet	12,000.00	11,037.00
tblLandUse	LandUseSquareFeet	62,000.00	71,140.00
tblLandUse	LandUseSquareFeet	133,200.00	131,461.00
tblLandUse	LotAcreage	0.55	0.51
tblLandUse	LotAcreage	3.38	8.54
tblLandUse	LotAcreage	0.75	0.13
tblLandUse	LotAcreage	3.88	0.82
tblLandUse	LotAcreage	24.03	3.02
tblProjectCharacteristics	OperationalYear	2018	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	7.7973	58.9343	56.9687	0.1738	18.2141	2.1986	20.4127	9.9699	2.0227	11.9926	0.0000	17,716.4604	17,716.4604	1.9483	0.0000	17,752.0078
2021	194.7483	53.4081	52.6122	0.1707	8.9710	1.0956	10.0666	2.4249	1.0305	3.4554	0.0000	17,409.3870	17,409.3870	1.3664	0.0000	17,443.5472
Maximum	**194.7483**	**58.9343**	**56.9687**	**0.1738**	**18.2141**	**2.1986**	**20.4127**	**9.9699**	**2.0227**	**11.9926**	**0.0000**	**17,716.4604**	**17,716.4604**	**1.9483**	**0.0000**	**17,752.0078**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	6.3036	42.5503	57.8506	0.1738	8.9713	0.3754	9.3467	4.5080	0.3627	4.5712	0.0000	17,716.4604	17,716.4604	1.9483	0.0000	17,752.0078
2021	194.5591	38.7156	53.7192	0.1707	8.9710	0.2489	9.2199	2.4249	0.2412	2.6661	0.0000	17,409.3870	17,409.3870	1.3664	0.0000	17,443.5472
Maximum	**194.5591**	**42.5503**	**57.8506**	**0.1738**	**8.9713**	**0.3754**	**9.3467**	**4.5080**	**0.3627**	**4.5712**	**0.0000**	**17,716.4604**	**17,716.4604**	**1.9483**	**0.0000**	**17,752.0078**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.83**	**27.66**	**-1.82**	**0.00**	**34.00**	**81.05**	**39.08**	**44.07**	**80.22**	**53.15**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2020	6/15/2020	6	13	
2	Site Preparation	Site Preparation	6/16/2020	6/30/2020	6	13	
3	Grading	Grading	7/1/2020	9/30/2020	6	79	
4	Building Construction	Building Construction	10/1/2020	9/30/2021	6	313	
5	Paving	Paving	10/1/2021	10/31/2021	6	26	
6	Architectural Coating	Architectural Coating	11/1/2021	11/30/2021	6	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 52.04

Acres of Paving: 39.02

Residential Indoor: 586,699; Residential Outdoor: 195,566; Non-Residential Indoor: 35,703; Non-Residential Outdoor: 11,901; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	257.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	843.00	304.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	169.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.2798	0.0000	4.2798	0.6480	0.0000	0.6480			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**4.2798**	**1.6587**	**5.9385**	**0.6480**	**1.5419**	**2.1899**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1596	5.8763	1.2380	0.0155	0.3413	0.0211	0.3624	0.0932	0.0202	0.1133		1,665.3349	1,665.3349	0.1058		1,667.9791
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0791	0.0575	0.5384	1.1900e-003	0.1232	9.6000e-004	0.1242	0.0327	8.8000e-004	0.0336		118.2189	118.2189	4.4100e-003		118.3292
Total	**0.2387**	**5.9338**	**1.7764**	**0.0167**	**0.4645**	**0.0220**	**0.4865**	**0.1258**	**0.0210**	**0.1469**		**1,783.5538**	**1,783.5538**	**0.1102**		**1,786.3083**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9259	0.0000	1.9259	0.2916	0.0000	0.2916			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**0.4623**	**2.0032**	**23.2798**	**0.0388**	**1.9259**	**0.0616**	**1.9876**	**0.2916**	**0.0616**	**0.3532**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1596	5.8763	1.2380	0.0155	0.3413	0.0211	0.3624	0.0932	0.0202	0.1133		1,665.3349	1,665.3349	0.1058		1,667.9791
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0791	0.0575	0.5384	1.1900e-003	0.1232	9.6000e-004	0.1242	0.0327	8.8000e-004	0.0336		118.2189	118.2189	4.4100e-003		118.3292
Total	**0.2387**	**5.9338**	**1.7764**	**0.0167**	**0.4645**	**0.0220**	**0.4865**	**0.1258**	**0.0210**	**0.1469**		**1,783.5538**	**1,783.5538**	**0.1102**		**1,786.3083**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.0663**	**2.1974**	**20.2637**	**9.9307**	**2.0216**	**11.9523**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0949	0.0690	0.6461	1.4300e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		141.8626	141.8626	5.2900e-003		141.9950
Total	**0.0949**	**0.0690**	**0.6461**	**1.4300e-003**	**0.1479**	**1.1500e-003**	**0.1490**	**0.0392**	**1.0600e-003**	**0.0403**		**141.8626**	**141.8626**	**5.2900e-003**		**141.9950**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**0.4656**	**2.0175**	**20.8690**	**0.0380**	**8.1298**	**0.0621**	**8.1919**	**4.4688**	**0.0621**	**4.5309**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0949	0.0690	0.6461	1.4300e-003	0.1479	1.1500e-003	0.1490	0.0392	1.0600e-003	0.0403		141.8626	141.8626	5.2900e-003		141.9950
Total	**0.0949**	**0.0690**	**0.6461**	**1.4300e-003**	**0.1479**	**1.1500e-003**	**0.1490**	**0.0392**	**1.0600e-003**	**0.0403**		**141.8626**	**141.8626**	**5.2900e-003**		**141.9950**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7207	0.0000	6.7207	3.3857	0.0000	3.3857			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.7207**	**2.1739**	**8.8946**	**3.3857**	**2.0000**	**5.3857**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1054	0.0767	0.7178	1.5900e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		157.6252	157.6252	5.8800e-003		157.7722
Total	**0.1054**	**0.0767**	**0.7178**	**1.5900e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**157.6252**	**157.6252**	**5.8800e-003**		**157.7722**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0243	0.0000	3.0243	1.5236	0.0000	1.5236			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**0.7616**	**3.3000**	**32.9991**	**0.0620**	**3.0243**	**0.1015**	**3.1258**	**1.5236**	**0.1015**	**1.6251**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1054	0.0767	0.7178	1.5900e-003	0.1643	1.2800e-003	0.1656	0.0436	1.1800e-003	0.0448		157.6252	157.6252	5.8800e-003		157.7722
Total	**0.1054**	**0.0767**	**0.7178**	**1.5900e-003**	**0.1643**	**1.2800e-003**	**0.1656**	**0.0436**	**1.1800e-003**	**0.0448**		**157.6252**	**157.6252**	**5.8800e-003**		**157.7722**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2338	36.5158	9.8635	0.0801	2.0462	0.1968	2.2430	0.5882	0.1883	0.7764		8,519.4969	8,519.4969	0.5511		8,533.2752
Worker	4.4437	3.2325	30.2566	0.0668	6.9251	0.0539	6.9789	1.8369	0.0497	1.8866		6,643.9004	6,643.9004	0.2479		6,650.0982
Total	**5.6775**	**39.7482**	**40.1202**	**0.1469**	**8.9713**	**0.2507**	**9.2219**	**2.4250**	**0.2380**	**2.6630**		**15,163.3973**	**15,163.3973**	**0.7990**		**15,183.3734**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6261	2.8021	17.7304	0.0269		0.1248	0.1248		0.1248	0.1248	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**0.6261**	**2.8021**	**17.7304**	**0.0269**		**0.1248**	**0.1248**		**0.1248**	**0.1248**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2338	36.5158	9.8635	0.0801	2.0462	0.1968	2.2430	0.5882	0.1883	0.7764		8,519.4969	8,519.4969	0.5511		8,533.2752
Worker	4.4437	3.2325	30.2566	0.0668	6.9251	0.0539	6.9789	1.8369	0.0497	1.8866		6,643.9004	6,643.9004	0.2479		6,650.0982
Total	**5.6775**	**39.7482**	**40.1202**	**0.1469**	**8.9713**	**0.2507**	**9.2219**	**2.4250**	**0.2380**	**2.6630**		**15,163.3973**	**15,163.3973**	**0.7990**		**15,183.3734**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9997	33.0959	8.6948	0.0793	2.0460	0.0852	2.1312	0.5881	0.0815	0.6696		8,441.9478	8,441.9478	0.5300		8,455.1979
Worker	4.1210	2.8801	27.3422	0.0645	6.9251	0.0517	6.9768	1.8369	0.0477	1.8845		6,414.0753	6,414.0753	0.2204		6,419.5850
Total	**5.1207**	**35.9760**	**36.0370**	**0.1438**	**8.9710**	**0.1369**	**9.1080**	**2.4249**	**0.1292**	**2.5541**		**14,856.0231**	**14,856.0231**	**0.7504**		**14,874.7829**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5867	2.7396	17.6822	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**0.5867**	**2.7396**	**17.6822**	**0.0269**		**0.1120**	**0.1120**		**0.1120**	**0.1120**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9997	33.0959	8.6948	0.0793	2.0460	0.0852	2.1312	0.5881	0.0815	0.6696		8,441.9478	8,441.9478	0.5300		8,455.1979
Worker	4.1210	2.8801	27.3422	0.0645	6.9251	0.0517	6.9768	1.8369	0.0477	1.8845		6,414.0753	6,414.0753	0.2204		6,419.5850
Total	**5.1207**	**35.9760**	**36.0370**	**0.1438**	**8.9710**	**0.1369**	**9.1080**	**2.4249**	**0.1292**	**2.5541**		**14,856.0231**	**14,856.0231**	**0.7504**		**14,874.7829**

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	1.1236					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3791**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0733	0.0513	0.4865	1.1500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		114.1295	114.1295	3.9200e-003		114.2275
Total	**0.0733**	**0.0513**	**0.4865**	**1.1500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**114.1295**	**114.1295**	**3.9200e-003**		**114.2275**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	1.1236					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4041**	**1.2154**	**17.2957**	**0.0228**		**0.0374**	**0.0374**		**0.0374**	**0.0374**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0733	0.0513	0.4865	1.1500e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		114.1295	114.1295	3.9200e-003		114.2275
Total	**0.0733**	**0.0513**	**0.4865**	**1.1500e-003**	**0.1232**	**9.2000e-004**	**0.1241**	**0.0327**	**8.5000e-004**	**0.0335**		**114.1295**	**114.1295**	**3.9200e-003**		**114.2275**

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	193.7033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**193.9222**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8262	0.5774	5.4814	0.0129	1.3883	0.0104	1.3987	0.3682	9.5600e-003	0.3778		1,285.8585	1,285.8585	0.0442		1,286.9631
Total	**0.8262**	**0.5774**	**5.4814**	**0.0129**	**1.3883**	**0.0104**	**1.3987**	**0.3682**	**9.5600e-003**	**0.3778**		**1,285.8585**	**1,285.8585**	**0.0442**		**1,286.9631**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	193.7033					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**193.7330**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8262	0.5774	5.4814	0.0129	1.3883	0.0104	1.3987	0.3682	9.5600e-003	0.3778		1,285.8585	1,285.8585	0.0442		1,286.9631
Total	**0.8262**	**0.5774**	**5.4814**	**0.0129**	**1.3883**	**0.0104**	**1.3987**	**0.3682**	**9.5600e-003**	**0.3778**		**1,285.8585**	**1,285.8585**	**0.0442**		**1,286.9631**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 2

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 2

Land Use - Based on site plan and project description
Phase 2 Construction

Construction Phase - Phase 2 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/13/2022	9/14/2022
tblConstructionPhase	PhaseEndDate	7/21/2022	8/22/2022
tblConstructionPhase	PhaseEndDate	8/2/2022	9/2/2022
tblConstructionPhase	PhaseStartDate	8/3/2022	9/3/2022
tblConstructionPhase	PhaseStartDate	12/1/2021	1/1/2022
tblConstructionPhase	PhaseStartDate	7/22/2022	8/23/2022
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2023

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	1.3894	1.4497	1.6046	3.2800e-003	0.0771	0.0619	0.1390	0.0207	0.0597	0.0804	0.0000	280.4350	280.4350	0.0373	0.0000	281.3679
Maximum	**1.3894**	**1.4497**	**1.6046**	**3.2800e-003**	**0.0771**	**0.0619**	**0.1390**	**0.0207**	**0.0597**	**0.0804**	**0.0000**	**280.4350**	**280.4350**	**0.0373**	**0.0000**	**281.3679**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	1.3201	0.6714	1.7094	3.2800e-003	0.0771	0.0223	0.0994	0.0207	0.0222	0.0429	0.0000	280.4348	280.4348	0.0373	0.0000	281.3677
Maximum	**1.3201**	**0.6714**	**1.7094**	**3.2800e-003**	**0.0771**	**0.0223**	**0.0994**	**0.0207**	**0.0222**	**0.0429**	**0.0000**	**280.4348**	**280.4348**	**0.0373**	**0.0000**	**281.3677**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**4.98**	**53.68**	**-6.53**	**0.00**	**0.00**	**64.00**	**28.49**	**0.00**	**62.76**	**46.59**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	12-1-2021	2-28-2022	0.4093	0.2052
2	3-1-2022	5-31-2022	0.6358	0.3175
3	6-1-2022	8-31-2022	0.6016	0.2890
4	9-1-2022	9-30-2022	1.2294	1.2163
		Highest	1.2294	1.2163

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2022	8/22/2022	6	200	
2	Paving	Paving	8/23/2022	9/2/2022	6	10	
3	Architectural Coating	Architectural Coating	9/3/2022	9/14/2022	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1649	1.2503	1.2726	2.2100e-003		0.0589	0.0589		0.0569	0.0569	0.0000	181.5769	181.5769	0.0316	0.0000	182.3675
Total	**0.1649**	**1.2503**	**1.2726**	**2.2100e-003**		**0.0589**	**0.0589**		**0.0569**	**0.0569**	**0.0000**	**181.5769**	**181.5769**	**0.0316**	**0.0000**	**182.3675**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.1344	0.0318	3.4000e-004	8.4300e-003	3.1000e-004	8.7300e-003	2.4400e-003	3.0000e-004	2.7300e-003	0.0000	32.8603	32.8603	1.9200e-003	0.0000	32.9084
Worker	0.0352	0.0236	0.2428	6.4000e-004	0.0675	5.1000e-004	0.0680	0.0180	4.7000e-004	0.0184	0.0000	57.8277	57.8277	1.7900e-003	0.0000	57.8724
Total	**0.0390**	**0.1580**	**0.2746**	**9.8000e-004**	**0.0759**	**8.2000e-004**	**0.0767**	**0.0204**	**7.7000e-004**	**0.0212**	**0.0000**	**90.6880**	**90.6880**	**3.7100e-003**	**0.0000**	**90.7808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0992	0.5089	1.3721	2.2100e-003		0.0213	0.0213		0.0213	0.0213	0.0000	181.5767	181.5767	0.0316	0.0000	182.3673
Total	**0.0992**	**0.5089**	**1.3721**	**2.2100e-003**		**0.0213**	**0.0213**		**0.0213**	**0.0213**	**0.0000**	**181.5767**	**181.5767**	**0.0316**	**0.0000**	**182.3673**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8200e-003	0.1344	0.0318	3.4000e-004	8.4300e-003	3.1000e-004	8.7300e-003	2.4400e-003	3.0000e-004	2.7300e-003	0.0000	32.8603	32.8603	1.9200e-003	0.0000	32.9084
Worker	0.0352	0.0236	0.2428	6.4000e-004	0.0675	5.1000e-004	0.0680	0.0180	4.7000e-004	0.0184	0.0000	57.8277	57.8277	1.7900e-003	0.0000	57.8724
Total	**0.0390**	**0.1580**	**0.2746**	**9.8000e-004**	**0.0759**	**8.2000e-004**	**0.0767**	**0.0204**	**7.7000e-004**	**0.0212**	**0.0000**	**90.6880**	**90.6880**	**3.7100e-003**	**0.0000**	**90.7808**

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4400e-003	0.0339	0.0440	7.0000e-005		1.7400e-003	1.7400e-003		1.6000e-003	1.6000e-003	0.0000	5.8848	5.8848	1.8700e-003	0.0000	5.9315
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.4400e-003**	**0.0339**	**0.0440**	**7.0000e-005**		**1.7400e-003**	**1.7400e-003**		**1.6000e-003**	**1.6000e-003**	**0.0000**	**5.8848**	**5.8848**	**1.8700e-003**	**0.0000**	**5.9315**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.8000e-004	1.8400e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4371	0.4371	1.0000e-005	0.0000	0.4374
Total	**2.7000e-004**	**1.8000e-004**	**1.8400e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4371**	**0.4371**	**1.0000e-005**	**0.0000**	**0.4374**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0000e-004	3.4600e-003	0.0493	7.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	5.8848	5.8848	1.8700e-003	0.0000	5.9314
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-004**	**3.4600e-003**	**0.0493**	**7.0000e-005**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**5.8848**	**5.8848**	**1.8700e-003**	**0.0000**	**5.9314**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	1.8000e-004	1.8400e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4371	0.4371	1.0000e-005	0.0000	0.4374
Total	**2.7000e-004**	**1.8000e-004**	**1.8400e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4371**	**0.4371**	**1.0000e-005**	**0.0000**	**0.4374**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1804					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**1.1814**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.4000e-003	1.0000e-005	6.7000e-004	1.0000e-005	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5716	0.5716	2.0000e-005	0.0000	0.5720
Total	**3.5000e-004**	**2.3000e-004**	**2.4000e-003**	**1.0000e-005**	**6.7000e-004**	**1.0000e-005**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5716**	**0.5716**	**2.0000e-005**	**0.0000**	**0.5720**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1804					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5000e-004	6.4000e-004	9.1600e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**1.1805**	**6.4000e-004**	**9.1600e-003**	**1.0000e-005**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.4000e-003	1.0000e-005	6.7000e-004	1.0000e-005	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5716	0.5716	2.0000e-005	0.0000	0.5720
Total	**3.5000e-004**	**2.3000e-004**	**2.4000e-003**	**1.0000e-005**	**6.7000e-004**	**1.0000e-005**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5716**	**0.5716**	**2.0000e-005**	**0.0000**	**0.5720**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 2

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 2

Land Use - Based on site plan and project description
Phase 2 Construction
Construction Phase - Phase 2 estimated construction schedule

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/13/2022	9/14/2022
tblConstructionPhase	PhaseEndDate	7/21/2022	8/22/2022
tblConstructionPhase	PhaseEndDate	8/2/2022	9/2/2022
tblConstructionPhase	PhaseStartDate	8/3/2022	9/3/2022
tblConstructionPhase	PhaseStartDate	12/1/2021	1/1/2022
tblConstructionPhase	PhaseStartDate	7/22/2022	8/23/2022
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2023

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	236.3495	14.0468	15.6002	0.0323	0.7940	0.5970	1.3909	0.2125	0.5764	0.7890	0.0000	3,045.5198	3,045.5198	0.4144	0.0000	3,055.2636
Maximum	**236.3495**	**14.0468**	**15.6002**	**0.0323**	**0.7940**	**0.5970**	**1.3909**	**0.2125**	**0.5764**	**0.7890**	**0.0000**	**3,045.5198**	**3,045.5198**	**0.4144**	**0.0000**	**3,055.2636**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	236.1747	6.6325	16.5948	0.0323	0.7940	0.2213	1.0153	0.2125	0.2208	0.4333	0.0000	3,045.5198	3,045.5198	0.4144	0.0000	3,055.2636
Maximum	**236.1747**	**6.6325**	**16.5948**	**0.0323**	**0.7940**	**0.2213**	**1.0153**	**0.2125**	**0.2208**	**0.4333**	**0.0000**	**3,045.5198**	**3,045.5198**	**0.4144**	**0.0000**	**3,055.2636**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**52.78**	**-6.38**	**0.00**	**0.00**	**62.93**	**27.01**	**0.00**	**61.70**	**45.08**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2022	8/22/2022	6	200	
2	Paving	Paving	8/23/2022	9/2/2022	6	10	
3	Architectural Coating	Architectural Coating	9/3/2022	9/14/2022	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	**1.6487**	**12.5031**	**12.7264**	**0.0221**		**0.5889**	**0.5889**		**0.5689**	**0.5689**		**2,001.5429**	**2,001.5429**	**0.3486**		**2,010.2581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0373	1.3330	0.2983	3.4300e-003	0.0875	3.0200e-003	0.0905	0.0251	2.8900e-003	0.0280		365.5736	365.5736	0.0205		366.0854
Worker	0.3613	0.2108	2.5755	6.8100e-003	0.7065	5.0700e-003	0.7115	0.1874	4.6700e-003	0.1921		678.4033	678.4033	0.0207		678.9202
Total	**0.3987**	**1.5437**	**2.8738**	**0.0102**	**0.7940**	**8.0900e-003**	**0.8021**	**0.2125**	**7.5600e-003**	**0.2201**		**1,043.9770**	**1,043.9770**	**0.0411**		**1,045.0056**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9918	5.0888	13.7210	0.0221		0.2132	0.2132		0.2132	0.2132	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	**0.9918**	**5.0888**	**13.7210**	**0.0221**		**0.2132**	**0.2132**		**0.2132**	**0.2132**	**0.0000**	**2,001.5429**	**2,001.5429**	**0.3486**		**2,010.2581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0373	1.3330	0.2983	3.4300e-003	0.0875	3.0200e-003	0.0905	0.0251	2.8900e-003	0.0280		365.5736	365.5736	0.0205		366.0854
Worker	0.3613	0.2108	2.5755	6.8100e-003	0.7065	5.0700e-003	0.7115	0.1874	4.6700e-003	0.1921		678.4033	678.4033	0.0207		678.9202
Total	**0.3987**	**1.5437**	**2.8738**	**0.0102**	**0.7940**	**8.0900e-003**	**0.8021**	**0.2125**	**7.5600e-003**	**0.2201**		**1,043.9770**	**1,043.9770**	**0.0411**		**1,045.0056**

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6877**	**6.7738**	**8.8060**	**0.0135**		**0.3474**	**0.3474**		**0.3205**	**0.3205**		**1,297.3789**	**1,297.3789**	**0.4113**		**1,307.6608**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0319	0.3893	1.0300e-003	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		102.5493	102.5493	3.1300e-003		102.6275
Total	**0.0546**	**0.0319**	**0.3893**	**1.0300e-003**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**102.5493**	**102.5493**	**3.1300e-003**		**102.6275**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.1598**	**0.6922**	**9.8512**	**0.0135**		**0.0213**	**0.0213**		**0.0213**	**0.0213**	**0.0000**	**1,297.3789**	**1,297.3789**	**0.4113**		**1,307.6608**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0546	0.0319	0.3893	1.0300e-003	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		102.5493	102.5493	3.1300e-003		102.6275
Total	**0.0546**	**0.0319**	**0.3893**	**1.0300e-003**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**102.5493**	**102.5493**	**3.1300e-003**		**102.6275**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**236.2781**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0714	0.0417	0.5091	1.3500e-003	0.1397	1.0000e-003	0.1407	0.0370	9.2000e-004	0.0380		134.1030	134.1030	4.0900e-003		134.2052
Total	**0.0714**	**0.0417**	**0.5091**	**1.3500e-003**	**0.1397**	**1.0000e-003**	**0.1407**	**0.0370**	**9.2000e-004**	**0.0380**		**134.1030**	**134.1030**	**4.0900e-003**		**134.2052**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**236.1032**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0714	0.0417	0.5091	1.3500e-003	0.1397	1.0000e-003	0.1407	0.0370	9.2000e-004	0.0380		134.1030	134.1030	4.0900e-003		134.2052
Total	**0.0714**	**0.0417**	**0.5091**	**1.3500e-003**	**0.1397**	**1.0000e-003**	**0.1407**	**0.0370**	**9.2000e-004**	**0.0380**		**134.1030**	**134.1030**	**4.0900e-003**		**134.2052**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 2

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 2

Land Use - Based on site plan and project description
Phase 2 Construction
Construction Phase - Phase 2 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/13/2022	9/14/2022
tblConstructionPhase	PhaseEndDate	7/21/2022	8/22/2022
tblConstructionPhase	PhaseEndDate	8/2/2022	9/2/2022
tblConstructionPhase	PhaseStartDate	8/3/2022	9/3/2022
tblConstructionPhase	PhaseStartDate	12/1/2021	1/1/2022
tblConstructionPhase	PhaseStartDate	7/22/2022	8/23/2022
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2023

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	236.3551	14.1076	15.5621	0.0317	0.7940	0.5971	1.3911	0.2125	0.5766	0.7891	0.0000	2,989.5457	2,989.5457	0.4143	0.0000	2,999.3074
Maximum	**236.3551**	**14.1076**	**15.5621**	**0.0317**	**0.7940**	**0.5971**	**1.3911**	**0.2125**	**0.5766**	**0.7891**	**0.0000**	**2,989.5457**	**2,989.5457**	**0.4143**	**0.0000**	**2,999.3074**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	236.1803	6.6933	16.5568	0.0317	0.7940	0.2215	1.0154	0.2125	0.2209	0.4335	0.0000	2,989.5457	2,989.5457	0.4143	0.0000	2,999.3074
Maximum	**236.1803**	**6.6933**	**16.5568**	**0.0317**	**0.7940**	**0.2215**	**1.0154**	**0.2125**	**0.2209**	**0.4335**	**0.0000**	**2,989.5457**	**2,989.5457**	**0.4143**	**0.0000**	**2,999.3074**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**52.56**	**-6.39**	**0.00**	**0.00**	**62.91**	**27.01**	**0.00**	**61.68**	**45.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2022	8/22/2022	6	200	
2	Paving	Paving	8/23/2022	9/2/2022	6	10	
3	Architectural Coating	Architectural Coating	9/3/2022	9/14/2022	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	**1.6487**	**12.5031**	**12.7264**	**0.0221**		**0.5889**	**0.5889**		**0.5689**	**0.5689**		**2,001.5429**	**2,001.5429**	**0.3486**		**2,010.2581**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0395	1.3436	0.3409	3.3600e-003	0.0875	3.1700e-003	0.0907	0.0251	3.0300e-003	0.0282		357.6006	357.6006	0.0221		358.1531
Worker	0.3897	0.2609	2.4948	6.3300e-003	0.7065	5.0700e-003	0.7115	0.1874	4.6700e-003	0.1921		630.4022	630.4022	0.0198		630.8962
Total	**0.4292**	**1.6046**	**2.8357**	**9.6900e-003**	**0.7940**	**8.2400e-003**	**0.8022**	**0.2125**	**7.7000e-003**	**0.2202**		**988.0028**	**988.0028**	**0.0419**		**989.0493**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9918	5.0888	13.7210	0.0221		0.2132	0.2132		0.2132	0.2132	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
Total	**0.9918**	**5.0888**	**13.7210**	**0.0221**		**0.2132**	**0.2132**		**0.2132**	**0.2132**	**0.0000**	**2,001.5429**	**2,001.5429**	**0.3486**		**2,010.2581**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0395	1.3436	0.3409	3.3600e-003	0.0875	3.1700e-003	0.0907	0.0251	3.0300e-003	0.0282		357.6006	357.6006	0.0221		358.1531
Worker	0.3897	0.2609	2.4948	6.3300e-003	0.7065	5.0700e-003	0.7115	0.1874	4.6700e-003	0.1921		630.4022	630.4022	0.0198		630.8962
Total	**0.4292**	**1.6046**	**2.8357**	**9.6900e-003**	**0.7940**	**8.2400e-003**	**0.8022**	**0.2125**	**7.7000e-003**	**0.2202**		**988.0028**	**988.0028**	**0.0419**		**989.0493**

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6877**	**6.7738**	**8.8060**	**0.0135**		**0.3474**	**0.3474**		**0.3205**	**0.3205**		**1,297.3789**	**1,297.3789**	**0.4113**		**1,307.6608**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0394	0.3771	9.6000e-004	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		95.2934	95.2934	2.9900e-003		95.3680
Total	**0.0589**	**0.0394**	**0.3771**	**9.6000e-004**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**95.2934**	**95.2934**	**2.9900e-003**		**95.3680**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.1598**	**0.6922**	**9.8512**	**0.0135**		**0.0213**	**0.0213**		**0.0213**	**0.0213**	**0.0000**	**1,297.3789**	**1,297.3789**	**0.4113**		**1,307.6608**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0589	0.0394	0.3771	9.6000e-004	0.1068	7.7000e-004	0.1076	0.0283	7.1000e-004	0.0290		95.2934	95.2934	2.9900e-003		95.3680
Total	**0.0589**	**0.0394**	**0.3771**	**9.6000e-004**	**0.1068**	**7.7000e-004**	**0.1076**	**0.0283**	**7.1000e-004**	**0.0290**		**95.2934**	**95.2934**	**2.9900e-003**		**95.3680**

3.4 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**236.2781**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0770	0.0516	0.4932	1.2500e-003	0.1397	1.0000e-003	0.1407	0.0370	9.2000e-004	0.0380		124.6144	124.6144	3.9100e-003		124.7120
Total	**0.0770**	**0.0516**	**0.4932**	**1.2500e-003**	**0.1397**	**1.0000e-003**	**0.1407**	**0.0370**	**9.2000e-004**	**0.0380**		**124.6144**	**124.6144**	**3.9100e-003**		**124.7120**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**236.1032**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0770	0.0516	0.4932	1.2500e-003	0.1397	1.0000e-003	0.1407	0.0370	9.2000e-004	0.0380		124.6144	124.6144	3.9100e-003		124.7120
Total	**0.0770**	**0.0516**	**0.4932**	**1.2500e-003**	**0.1397**	**1.0000e-003**	**0.1407**	**0.0370**	**9.2000e-004**	**0.0380**		**124.6144**	**124.6144**	**3.9100e-003**		**124.7120**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 3

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 3

Land Use - Based on site plan and project description
Phase 3 Construction

Construction Phase - Phase 3 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2023	9/14/2023
tblConstructionPhase	PhaseEndDate	7/21/2023	8/22/2023
tblConstructionPhase	PhaseEndDate	8/2/2023	9/2/2023
tblConstructionPhase	PhaseStartDate	8/3/2023	9/3/2023
tblConstructionPhase	PhaseStartDate	12/1/2022	1/1/2023
tblConstructionPhase	PhaseStartDate	7/22/2023	8/23/2023
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2024

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	1.3730	1.3375	1.5646	3.2500e-003	0.0771	0.0540	0.1311	0.0207	0.0521	0.0728	0.0000	277.4482	277.4482	0.0361	0.0000	278.3502
Maximum	**1.3730**	**1.3375**	**1.5646**	**3.2500e-003**	**0.0771**	**0.0540**	**0.1311**	**0.0207**	**0.0521**	**0.0728**	**0.0000**	**277.4482**	**277.4482**	**0.0361**	**0.0000**	**278.3502**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	1.3099	0.6291	1.6756	3.2500e-003	0.0771	0.0195	0.0966	0.0207	0.0194	0.0401	0.0000	277.4480	277.4480	0.0361	0.0000	278.3500
Maximum	**1.3099**	**0.6291**	**1.6756**	**3.2500e-003**	**0.0771**	**0.0195**	**0.0966**	**0.0207**	**0.0194**	**0.0401**	**0.0000**	**277.4480**	**277.4480**	**0.0361**	**0.0000**	**278.3500**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**4.59**	**52.97**	**-7.09**	**0.00**	**0.00**	**63.97**	**26.34**	**0.00**	**62.71**	**44.86**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	12-1-2022	2-28-2023	0.3775	0.1918
2	3-1-2023	5-31-2023	0.5866	0.2969
3	6-1-2023	8-31-2023	0.5551	0.2705
4	9-1-2023	9-30-2023	1.2283	1.2162
		Highest	1.2283	1.2162

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Paving	Paving	8/23/2023	9/2/2023	6	10	
2	Architectural Coating	Architectural Coating	9/3/2023	9/14/2023	6	10	
3	Building Construction	Building Construction	1/1/2023	8/22/2023	6	200	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.2200e-003	0.0312	0.0440	7.0000e-005		1.5400e-003	1.5400e-003		1.4200e-003	1.4200e-003	0.0000	5.8862	5.8862	1.8700e-003	0.0000	5.9329
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.2200e-003**	**0.0312**	**0.0440**	**7.0000e-005**		**1.5400e-003**	**1.5400e-003**		**1.4200e-003**	**1.4200e-003**	**0.0000**	**5.8862**	**5.8862**	**1.8700e-003**	**0.0000**	**5.9329**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.6000e-004	1.6500e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4203	0.4203	1.0000e-005	0.0000	0.4206
Total	**2.5000e-004**	**1.6000e-004**	**1.6500e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4203**	**0.4203**	**1.0000e-005**	**0.0000**	**0.4206**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0000e-004	3.4600e-003	0.0493	7.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	5.8862	5.8862	1.8700e-003	0.0000	5.9329
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-004**	**3.4600e-003**	**0.0493**	**7.0000e-005**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**5.8862**	**5.8862**	**1.8700e-003**	**0.0000**	**5.9329**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.6000e-004	1.6500e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4203	0.4203	1.0000e-005	0.0000	0.4206
Total	**2.5000e-004**	**1.6000e-004**	**1.6500e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4203**	**0.4203**	**1.0000e-005**	**0.0000**	**0.4206**

3.3 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1804					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**1.1813**	**6.5100e-003**	**9.0600e-003**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.1600e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5496	0.5496	2.0000e-005	0.0000	0.5500
Total	**3.2000e-004**	**2.1000e-004**	**2.1600e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5496**	**0.5496**	**2.0000e-005**	**0.0000**	**0.5500**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1804					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5000e-004	6.4000e-004	9.1600e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	**1.1805**	**6.4000e-004**	**9.1600e-003**	**1.0000e-005**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2785**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.1000e-004	2.1600e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5496	0.5496	2.0000e-005	0.0000	0.5500
Total	**3.2000e-004**	**2.1000e-004**	**2.1600e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5496**	**0.5496**	**2.0000e-005**	**0.0000**	**0.5500**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1523	1.1710	1.2611	2.2100e-003		0.0515	0.0515		0.0497	0.0497	0.0000	181.5991	181.5991	0.0308	0.0000	182.3701
Total	**0.1523**	**1.1710**	**1.2611**	**2.2100e-003**		**0.0515**	**0.0515**		**0.0497**	**0.0497**	**0.0000**	**181.5991**	**181.5991**	**0.0308**	**0.0000**	**182.3701**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8800e-003	0.1074	0.0282	3.3000e-004	8.4300e-003	1.3000e-004	8.5600e-003	2.4400e-003	1.3000e-004	2.5600e-003	0.0000	32.1142	32.1142	1.7000e-003	0.0000	32.1566
Worker	0.0327	0.0210	0.2185	6.2000e-004	0.0675	4.9000e-004	0.0680	0.0180	4.5000e-004	0.0184	0.0000	55.6022	55.6022	1.5800e-003	0.0000	55.6417
Total	**0.0356**	**0.1284**	**0.2466**	**9.5000e-004**	**0.0759**	**6.2000e-004**	**0.0765**	**0.0204**	**5.8000e-004**	**0.0210**	**0.0000**	**87.7164**	**87.7164**	**3.2800e-003**	**0.0000**	**87.7983**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0925	0.4962	1.3667	2.2100e-003		0.0187	0.0187		0.0187	0.0187	0.0000	181.5989	181.5989	0.0308	0.0000	182.3698
Total	**0.0925**	**0.4962**	**1.3667**	**2.2100e-003**		**0.0187**	**0.0187**		**0.0187**	**0.0187**	**0.0000**	**181.5989**	**181.5989**	**0.0308**	**0.0000**	**182.3698**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8800e-003	0.1074	0.0282	3.3000e-004	8.4300e-003	1.3000e-004	8.5600e-003	2.4400e-003	1.3000e-004	2.5600e-003	0.0000	32.1142	32.1142	1.7000e-003	0.0000	32.1566
Worker	0.0327	0.0210	0.2185	6.2000e-004	0.0675	4.9000e-004	0.0680	0.0180	4.5000e-004	0.0184	0.0000	55.6022	55.6022	1.5800e-003	0.0000	55.6417
Total	**0.0356**	**0.1284**	**0.2466**	**9.5000e-004**	**0.0759**	**6.2000e-004**	**0.0765**	**0.0204**	**5.8000e-004**	**0.0210**	**0.0000**	**87.7164**	**87.7164**	**3.2800e-003**	**0.0000**	**87.7983**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 3

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 3

Land Use - Based on site plan and project description
Phase 3 Construction

Construction Phase - Phase 3 estimated construction schedule

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2023	9/14/2023
tblConstructionPhase	PhaseEndDate	7/21/2023	8/22/2023
tblConstructionPhase	PhaseEndDate	8/2/2023	9/2/2023
tblConstructionPhase	PhaseStartDate	8/3/2023	9/3/2023
tblConstructionPhase	PhaseStartDate	12/1/2022	1/1/2023
tblConstructionPhase	PhaseStartDate	7/22/2023	8/23/2023
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2024

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	236.3315	12.9651	15.2017	0.0320	0.7940	0.5207	1.3146	0.2125	0.5026	0.7151	0.0000	3,011.3907	3,011.3907	0.4141	0.0000	3,020.7982
Maximum	**236.3315**	**12.9651**	**15.2017**	**0.0320**	**0.7940**	**0.5207**	**1.3146**	**0.2125**	**0.5026**	**0.7151**	**0.0000**	**3,011.3907**	**3,011.3907**	**0.4141**	**0.0000**	**3,020.7982**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	236.1695	6.2165	16.2580	0.0320	0.7940	0.1931	0.9871	0.2125	0.1927	0.4052	0.0000	3,011.3907	3,011.3907	0.4141	0.0000	3,020.7982
Maximum	**236.1695**	**6.2165**	**16.2580**	**0.0320**	**0.7940**	**0.1931**	**0.9871**	**0.2125**	**0.1927**	**0.4052**	**0.0000**	**3,011.3907**	**3,011.3907**	**0.4141**	**0.0000**	**3,020.7982**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**52.05**	**-6.95**	**0.00**	**0.00**	**62.91**	**24.92**	**0.00**	**61.66**	**43.34**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Paving	Paving	8/23/2023	9/2/2023	6	10	
2	Architectural Coating	Architectural Coating	9/3/2023	9/14/2023	6	10	
3	Building Construction	Building Construction	1/1/2023	8/22/2023	6	200	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6446**	**6.2357**	**8.8024**	**0.0136**		**0.3084**	**0.3084**		**0.2846**	**0.2846**		**1,297.6880**	**1,297.6880**	**0.4114**		**1,307.9725**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0507	0.0284	0.3515	9.9000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		98.6056	98.6056	2.7600e-003		98.6747
Total	**0.0507**	**0.0284**	**0.3515**	**9.9000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**98.6056**	**98.6056**	**2.7600e-003**		**98.6747**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.1598**	**0.6922**	**9.8512**	**0.0136**		**0.0213**	**0.0213**		**0.0213**	**0.0213**	**0.0000**	**1,297.6880**	**1,297.6880**	**0.4114**		**1,307.9725**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0507	0.0284	0.3515	9.9000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		98.6056	98.6056	2.7600e-003		98.6747
Total	**0.0507**	**0.0284**	**0.3515**	**9.9000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**98.6056**	**98.6056**	**2.7600e-003**		**98.6747**

3.3 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**236.2652**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0663	0.0371	0.4596	1.2900e-003	0.1397	9.7000e-004	0.1406	0.0370	8.9000e-004	0.0379		128.9458	128.9458	3.6100e-003		129.0362
Total	**0.0663**	**0.0371**	**0.4596**	**1.2900e-003**	**0.1397**	**9.7000e-004**	**0.1406**	**0.0370**	**8.9000e-004**	**0.0379**		**128.9458**	**128.9458**	**3.6100e-003**		**129.0362**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**236.1032**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0663	0.0371	0.4596	1.2900e-003	0.1397	9.7000e-004	0.1406	0.0370	8.9000e-004	0.0379		128.9458	128.9458	3.6100e-003		129.0362
Total	**0.0663**	**0.0371**	**0.4596**	**1.2900e-003**	**0.1397**	**9.7000e-004**	**0.1406**	**0.0370**	**8.9000e-004**	**0.0379**		**128.9458**	**128.9458**	**3.6100e-003**		**129.0362**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**1.5233**	**11.7104**	**12.6111**	**0.0221**		**0.5145**	**0.5145**		**0.4968**	**0.4968**		**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0281	1.0671	0.2656	3.3500e-003	0.0875	1.3100e-003	0.0888	0.0251	1.2500e-003	0.0264		357.2888	357.2888	0.0181		357.7411
Worker	0.3353	0.1877	2.3250	6.5500e-003	0.7065	4.8900e-003	0.7114	0.1874	4.5100e-003	0.1919		652.3142	652.3142	0.0183		652.7714
Total	**0.3634**	**1.2548**	**2.5906**	**9.9000e-003**	**0.7940**	**6.2000e-003**	**0.8001**	**0.2125**	**5.7600e-003**	**0.2183**		**1,009.6030**	**1,009.6030**	**0.0364**		**1,010.5125**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9250	4.9617	13.6674	0.0221		0.1869	0.1869		0.1869	0.1869	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**0.9250**	**4.9617**	**13.6674**	**0.0221**		**0.1869**	**0.1869**		**0.1869**	**0.1869**	**0.0000**	**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0281	1.0671	0.2656	3.3500e-003	0.0875	1.3100e-003	0.0888	0.0251	1.2500e-003	0.0264		357.2888	357.2888	0.0181		357.7411
Worker	0.3353	0.1877	2.3250	6.5500e-003	0.7065	4.8900e-003	0.7114	0.1874	4.5100e-003	0.1919		652.3142	652.3142	0.0183		652.7714
Total	**0.3634**	**1.2548**	**2.5906**	**9.9000e-003**	**0.7940**	**6.2000e-003**	**0.8001**	**0.2125**	**5.7600e-003**	**0.2183**		**1,009.6030**	**1,009.6030**	**0.0364**		**1,010.5125**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 3

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	119.00	Dwelling Unit	1.92	167,680.00	340

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 3

Land Use - Based on site plan and project description
Phase 3 Construction

Construction Phase - Phase 3 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2023	9/14/2023
tblConstructionPhase	PhaseEndDate	7/21/2023	8/22/2023
tblConstructionPhase	PhaseEndDate	8/2/2023	9/2/2023
tblConstructionPhase	PhaseStartDate	8/3/2023	9/3/2023
tblConstructionPhase	PhaseStartDate	12/1/2022	1/1/2023
tblConstructionPhase	PhaseStartDate	7/22/2023	8/23/2023
tblLandUse	BuildingSpaceSquareFeet	119,000.00	167,680.00
tblLandUse	LandUseSquareFeet	119,000.00	167,680.00
tblLandUse	LotAcreage	7.44	1.92
tblProjectCharacteristics	OperationalYear	2018	2024

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	236.3367	13.0154	15.1507	0.0314	0.7940	0.5208	1.3147	0.2125	0.5027	0.7152	0.0000	2,957.3906	2,957.3906	0.4140	0.0000	2,966.8093
Maximum	**236.3367**	**13.0154**	**15.1507**	**0.0314**	**0.7940**	**0.5208**	**1.3147**	**0.2125**	**0.5027**	**0.7152**	**0.0000**	**2,957.3906**	**2,957.3906**	**0.4140**	**0.0000**	**2,966.8093**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	236.1748	6.2667	16.2070	0.0314	0.7940	0.1932	0.9871	0.2125	0.1928	0.4053	0.0000	2,957.3906	2,957.3906	0.4140	0.0000	2,966.8093
Maximum	**236.1748**	**6.2667**	**16.2070**	**0.0314**	**0.7940**	**0.1932**	**0.9871**	**0.2125**	**0.1928**	**0.4053**	**0.0000**	**2,957.3906**	**2,957.3906**	**0.4140**	**0.0000**	**2,966.8093**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.07**	**51.85**	**-6.97**	**0.00**	**0.00**	**62.90**	**24.92**	**0.00**	**61.65**	**43.33**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Paving	Paving	8/23/2023	9/2/2023	6	10	
2	Architectural Coating	Architectural Coating	9/3/2023	9/14/2023	6	10	
3	Building Construction	Building Construction	1/1/2023	8/22/2023	6	200	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 339,552; Residential Outdoor: 113,184; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	86.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6446**	**6.2357**	**8.8024**	**0.0136**		**0.3084**	**0.3084**		**0.2846**	**0.2846**		**1,297.6880**	**1,297.6880**	**0.4114**		**1,307.9725**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0547	0.0351	0.3386	9.2000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		91.6264	91.6264	2.6300e-003		91.6921
Total	**0.0547**	**0.0351**	**0.3386**	**9.2000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**91.6264**	**91.6264**	**2.6300e-003**		**91.6921**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.1598**	**0.6922**	**9.8512**	**0.0136**		**0.0213**	**0.0213**		**0.0213**	**0.0213**	**0.0000**	**1,297.6880**	**1,297.6880**	**0.4114**		**1,307.9725**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0547	0.0351	0.3386	9.2000e-004	0.1068	7.4000e-004	0.1075	0.0283	6.8000e-004	0.0290		91.6264	91.6264	2.6300e-003		91.6921
Total	**0.0547**	**0.0351**	**0.3386**	**9.2000e-004**	**0.1068**	**7.4000e-004**	**0.1075**	**0.0283**	**6.8000e-004**	**0.0290**		**91.6264**	**91.6264**	**2.6300e-003**		**91.6921**

3.3 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	**236.2652**	**1.3030**	**1.8111**	**2.9700e-003**		**0.0708**	**0.0708**		**0.0708**	**0.0708**		**281.4481**	**281.4481**	**0.0168**		**281.8690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0459	0.4427	1.2000e-003	0.1397	9.7000e-004	0.1406	0.0370	8.9000e-004	0.0379		119.8192	119.8192	3.4400e-003		119.9051
Total	**0.0715**	**0.0459**	**0.4427**	**1.2000e-003**	**0.1397**	**9.7000e-004**	**0.1406**	**0.0370**	**8.9000e-004**	**0.0379**		**119.8192**	**119.8192**	**3.4400e-003**		**119.9051**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	236.0735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0168		281.8690
Total	**236.1032**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0168**		**281.8690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0715	0.0459	0.4427	1.2000e-003	0.1397	9.7000e-004	0.1406	0.0370	8.9000e-004	0.0379		119.8192	119.8192	3.4400e-003		119.9051
Total	**0.0715**	**0.0459**	**0.4427**	**1.2000e-003**	**0.1397**	**9.7000e-004**	**0.1406**	**0.0370**	**8.9000e-004**	**0.0379**		**119.8192**	**119.8192**	**3.4400e-003**		**119.9051**

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**1.5233**	**11.7104**	**12.6111**	**0.0221**		**0.5145**	**0.5145**		**0.4968**	**0.4968**		**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0298	1.0727	0.2999	3.2800e-003	0.0875	1.3800e-003	0.0889	0.0251	1.3200e-003	0.0265		349.4589	349.4589	0.0194		349.9449
Worker	0.3619	0.2323	2.2398	6.0900e-003	0.7065	4.8900e-003	0.7114	0.1874	4.5100e-003	0.1919		606.1440	606.1440	0.0174		606.5787
Total	**0.3918**	**1.3050**	**2.5396**	**9.3700e-003**	**0.7940**	**6.2700e-003**	**0.8002**	**0.2125**	**5.8300e-003**	**0.2184**		**955.6029**	**955.6029**	**0.0368**		**956.5236**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9250	4.9617	13.6674	0.0221		0.1869	0.1869		0.1869	0.1869	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**0.9250**	**4.9617**	**13.6674**	**0.0221**		**0.1869**	**0.1869**		**0.1869**	**0.1869**	**0.0000**	**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0298	1.0727	0.2999	3.2800e-003	0.0875	1.3800e-003	0.0889	0.0251	1.3200e-003	0.0265		349.4589	349.4589	0.0194		349.9449
Worker	0.3619	0.2323	2.2398	6.0900e-003	0.7065	4.8900e-003	0.7114	0.1874	4.5100e-003	0.1919		606.1440	606.1440	0.0174		606.5787
Total	**0.3918**	**1.3050**	**2.5396**	**9.3700e-003**	**0.7940**	**6.2700e-003**	**0.8002**	**0.2125**	**5.8300e-003**	**0.2184**		**955.6029**	**955.6029**	**0.0368**		**956.5236**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 4

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 4

Land Use - Based on site plan and project description
Phase 4 Construction

Construction Phase - Phase 4 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/12/2024
tblConstructionPhase	PhaseEndDate	7/22/2025	8/20/2024
tblConstructionPhase	PhaseEndDate	8/2/2025	8/31/2024
tblConstructionPhase	PhaseStartDate	8/3/2025	9/1/2024
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2024
tblConstructionPhase	PhaseStartDate	7/23/2025	8/21/2024
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	1.3497	1.2666	1.5311	3.2100e-003	0.0763	0.0474	0.1237	0.0205	0.0456	0.0661	0.0000	274.3750	274.3750	0.0353	0.0000	275.2564
Maximum	**1.3497**	**1.2666**	**1.5311**	**3.2100e-003**	**0.0763**	**0.0474**	**0.1237**	**0.0205**	**0.0456**	**0.0661**	**0.0000**	**274.3750**	**274.3750**	**0.0353**	**0.0000**	**275.2564**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	1.2916	0.6132	1.6471	3.2100e-003	0.0763	0.0171	0.0934	0.0205	0.0171	0.0376	0.0000	274.3748	274.3748	0.0353	0.0000	275.2562
Maximum	**1.2916**	**0.6132**	**1.6471**	**3.2100e-003**	**0.0763**	**0.0171**	**0.0934**	**0.0205**	**0.0171**	**0.0376**	**0.0000**	**274.3748**	**274.3748**	**0.0353**	**0.0000**	**275.2562**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**4.31**	**51.59**	**-7.58**	**0.00**	**0.00**	**63.86**	**24.46**	**0.00**	**62.58**	**43.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2024	8/20/2024	6	200	
2	Paving	Paving	8/21/2024	8/31/2024	6	10	
3	Architectural Coating	Architectural Coating	9/1/2024	9/12/2024	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1420	1.1064	1.2517	2.2100e-003		0.0451	0.0451		0.0435	0.0435	0.0000	181.6113	181.6113	0.0302	0.0000	182.3674
Total	**0.1420**	**1.1064**	**1.2517**	**2.2100e-003**		**0.0451**	**0.0451**		**0.0435**	**0.0435**	**0.0000**	**181.6113**	**181.6113**	**0.0302**	**0.0000**	**182.3674**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7600e-003	0.1060	0.0266	3.3000e-004	8.4200e-003	1.3000e-004	8.5500e-003	2.4300e-003	1.2000e-004	2.5600e-003	0.0000	31.9132	31.9132	1.6800e-003	0.0000	31.9551
Worker	0.0300	0.0185	0.1961	5.8000e-004	0.0667	4.7000e-004	0.0672	0.0178	4.3000e-004	0.0182	0.0000	52.7559	52.7559	1.3700e-003	0.0000	52.7902
Total	**0.0327**	**0.1245**	**0.2227**	**9.1000e-004**	**0.0751**	**6.0000e-004**	**0.0757**	**0.0202**	**5.5000e-004**	**0.0208**	**0.0000**	**84.6691**	**84.6691**	**3.0500e-003**	**0.0000**	**84.7454**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0869	0.4842	1.3625	2.2100e-003		0.0164	0.0164		0.0164	0.0164	0.0000	181.6110	181.6110	0.0302	0.0000	182.3672
Total	**0.0869**	**0.4842**	**1.3625**	**2.2100e-003**		**0.0164**	**0.0164**		**0.0164**	**0.0164**	**0.0000**	**181.6110**	**181.6110**	**0.0302**	**0.0000**	**182.3672**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.7600e-003	0.1060	0.0266	3.3000e-004	8.4200e-003	1.3000e-004	8.5500e-003	2.4300e-003	1.2000e-004	2.5600e-003	0.0000	31.9132	31.9132	1.6800e-003	0.0000	31.9551
Worker	0.0300	0.0185	0.1961	5.8000e-004	0.0667	4.7000e-004	0.0672	0.0178	4.3000e-004	0.0182	0.0000	52.7559	52.7559	1.3700e-003	0.0000	52.7902
Total	**0.0327**	**0.1245**	**0.2227**	**9.1000e-004**	**0.0751**	**6.0000e-004**	**0.0757**	**0.0202**	**5.5000e-004**	**0.0208**	**0.0000**	**84.6691**	**84.6691**	**3.0500e-003**	**0.0000**	**84.7454**

3.3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.0900e-003	0.0293	0.0441	7.0000e-005		1.4100e-003	1.4100e-003		1.3000e-003	1.3000e-003	0.0000	5.8870	5.8870	1.8700e-003	0.0000	5.9337
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.0900e-003**	**0.0293**	**0.0441**	**7.0000e-005**		**1.4100e-003**	**1.4100e-003**		**1.3000e-003**	**1.3000e-003**	**0.0000**	**5.8870**	**5.8870**	**1.8700e-003**	**0.0000**	**5.9337**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.4000e-004	1.5000e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4034	0.4034	1.0000e-005	0.0000	0.4037
Total	**2.3000e-004**	**1.4000e-004**	**1.5000e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4034**	**0.4034**	**1.0000e-005**	**0.0000**	**0.4037**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0000e-004	3.4600e-003	0.0493	7.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	5.8870	5.8870	1.8700e-003	0.0000	5.9337
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-004**	**3.4600e-003**	**0.0493**	**7.0000e-005**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**5.8870**	**5.8870**	**1.8700e-003**	**0.0000**	**5.9337**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.4000e-004	1.5000e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4034	0.4034	1.0000e-005	0.0000	0.4037
Total	**2.3000e-004**	**1.4000e-004**	**1.5000e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.4034**	**0.4034**	**1.0000e-005**	**0.0000**	**0.4037**

3.4 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-004	6.0900e-003	9.0500e-003	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**1.1714**	**6.0900e-003**	**9.0500e-003**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.9000e-004	1.9600e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5276	0.5276	1.0000e-005	0.0000	0.5279
Total	**3.0000e-004**	**1.9000e-004**	**1.9600e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5276**	**0.5276**	**1.0000e-005**	**0.0000**	**0.5279**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5000e-004	6.4000e-004	9.1600e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**1.1706**	**6.4000e-004**	**9.1600e-003**	**1.0000e-005**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	1.9000e-004	1.9600e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5276	0.5276	1.0000e-005	0.0000	0.5279
Total	**3.0000e-004**	**1.9000e-004**	**1.9600e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5276**	**0.5276**	**1.0000e-005**	**0.0000**	**0.5279**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 4

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 4

Land Use - Based on site plan and project description
Phase 4 Construction

Construction Phase - Phase 4 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/12/2024
tblConstructionPhase	PhaseEndDate	7/22/2025	8/20/2024
tblConstructionPhase	PhaseEndDate	8/2/2025	8/31/2024
tblConstructionPhase	PhaseStartDate	8/3/2025	9/1/2024
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2024
tblConstructionPhase	PhaseStartDate	7/23/2025	8/21/2024
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	234.3322	12.2825	14.8614	0.0316	0.7857	0.4565	1.2422	0.2104	0.4403	0.6506	0.0000	2,975.9065	2,975.9065	0.4139	0.0000	2,985.0875
Maximum	**234.3322**	**12.2825**	**14.8614**	**0.0316**	**0.7857**	**0.4565**	**1.2422**	**0.2104**	**0.4403**	**0.6506**	**0.0000**	**2,975.9065**	**2,975.9065**	**0.4139**	**0.0000**	**2,985.0875**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	234.1812	6.0610	15.9689	0.0316	0.7857	0.1699	0.9556	0.2104	0.1694	0.3798	0.0000	2,975.9065	2,975.9065	0.4139	0.0000	2,985.0875
Maximum	**234.1812**	**6.0610**	**15.9689**	**0.0316**	**0.7857**	**0.1699**	**0.9556**	**0.2104**	**0.1694**	**0.3798**	**0.0000**	**2,975.9065**	**2,975.9065**	**0.4139**	**0.0000**	**2,985.0875**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.06**	**50.65**	**-7.45**	**0.00**	**0.00**	**62.79**	**23.08**	**0.00**	**61.52**	**41.63**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2024	8/20/2024	6	200	
2	Paving	Paving	8/21/2024	8/31/2024	6	10	
3	Architectural Coating	Architectural Coating	9/1/2024	9/12/2024	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**		**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0269	1.0530	0.2513	3.3300e-003	0.0875	1.2600e-003	0.0887	0.0251	1.2100e-003	0.0264		355.0443	355.0443	0.0179		355.4918
Worker	0.3075	0.1656	2.0930	6.2100e-003	0.6983	4.6700e-003	0.7029	0.1852	4.3000e-003	0.1895		618.9408	618.9408	0.0160		619.3395
Total	**0.3344**	**1.2186**	**2.3443**	**9.5400e-003**	**0.7857**	**5.9300e-003**	**0.7917**	**0.2104**	**5.5100e-003**	**0.2159**		**973.9850**	**973.9850**	**0.0339**		**974.8312**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8691	4.8424	13.6247	0.0221		0.1639	0.1639		0.1639	0.1639	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**0.8691**	**4.8424**	**13.6247**	**0.0221**		**0.1639**	**0.1639**		**0.1639**	**0.1639**	**0.0000**	**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0269	1.0530	0.2513	3.3300e-003	0.0875	1.2600e-003	0.0887	0.0251	1.2100e-003	0.0264		355.0443	355.0443	0.0179		355.4918
Worker	0.3075	0.1656	2.0930	6.2100e-003	0.6983	4.6700e-003	0.7029	0.1852	4.3000e-003	0.1895		618.9408	618.9408	0.0160		619.3395
Total	**0.3344**	**1.2186**	**2.3443**	**9.5400e-003**	**0.7857**	**5.9300e-003**	**0.7917**	**0.2104**	**5.5100e-003**	**0.2159**		**973.9850**	**973.9850**	**0.0339**		**974.8312**

3.3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6180**	**5.8607**	**8.8253**	**0.0136**		**0.2810**	**0.2810**		**0.2594**	**0.2594**		**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0253	0.3201	9.5000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.6000e-004	0.0290		94.6615	94.6615	2.4400e-003		94.7225
Total	**0.0470**	**0.0253**	**0.3201**	**9.5000e-004**	**0.1068**	**7.1000e-004**	**0.1075**	**0.0283**	**6.6000e-004**	**0.0290**		**94.6615**	**94.6615**	**2.4400e-003**		**94.7225**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.1598**	**0.6922**	**9.8512**	**0.0136**		**0.0213**	**0.0213**		**0.0213**	**0.0213**	**0.0000**	**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0253	0.3201	9.5000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.6000e-004	0.0290		94.6615	94.6615	2.4400e-003		94.7225
Total	**0.0470**	**0.0253**	**0.3201**	**9.5000e-004**	**0.1068**	**7.1000e-004**	**0.1075**	**0.0283**	**6.6000e-004**	**0.0290**		**94.6615**	**94.6615**	**2.4400e-003**		**94.7225**

3.4 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**234.2707**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0615	0.0331	0.4186	1.2400e-003	0.1397	9.3000e-004	0.1406	0.0370	8.6000e-004	0.0379		123.7882	123.7882	3.1900e-003		123.8679
Total	**0.0615**	**0.0331**	**0.4186**	**1.2400e-003**	**0.1397**	**9.3000e-004**	**0.1406**	**0.0370**	**8.6000e-004**	**0.0379**		**123.7882**	**123.7882**	**3.1900e-003**		**123.8679**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**234.1197**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0615	0.0331	0.4186	1.2400e-003	0.1397	9.3000e-004	0.1406	0.0370	8.6000e-004	0.0379		123.7882	123.7882	3.1900e-003		123.8679
Total	**0.0615**	**0.0331**	**0.4186**	**1.2400e-003**	**0.1397**	**9.3000e-004**	**0.1406**	**0.0370**	**8.6000e-004**	**0.0379**		**123.7882**	**123.7882**	**3.1900e-003**		**123.8679**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 4

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 4

Land Use - Based on site plan and project description
Phase 4 Construction
Construction Phase - Phase 4 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/12/2024
tblConstructionPhase	PhaseEndDate	7/22/2025	8/20/2024
tblConstructionPhase	PhaseEndDate	8/2/2025	8/31/2024
tblConstructionPhase	PhaseStartDate	8/3/2025	9/1/2024
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2024
tblConstructionPhase	PhaseStartDate	7/23/2025	8/21/2024
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	234.3372	12.3271	14.8077	0.0311	0.7857	0.4566	1.2423	0.2104	0.4404	0.6507	0.0000	2,924.3221	2,924.3221	0.4138	0.0000	2,933.5142
Maximum	**234.3372**	**12.3271**	**14.8077**	**0.0311**	**0.7857**	**0.4566**	**1.2423**	**0.2104**	**0.4404**	**0.6507**	**0.0000**	**2,924.3221**	**2,924.3221**	**0.4138**	**0.0000**	**2,933.5142**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	234.1862	6.1056	15.9151	0.0311	0.7857	0.1699	0.9556	0.2104	0.1695	0.3798	0.0000	2,924.3221	2,924.3221	0.4138	0.0000	2,933.5142
Maximum	**234.1862**	**6.1056**	**15.9151**	**0.0311**	**0.7857**	**0.1699**	**0.9556**	**0.2104**	**0.1695**	**0.3798**	**0.0000**	**2,924.3221**	**2,924.3221**	**0.4138**	**0.0000**	**2,933.5142**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.06**	**50.47**	**-7.48**	**0.00**	**0.00**	**62.78**	**23.07**	**0.00**	**61.51**	**41.63**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2024	8/20/2024	6	200	
2	Paving	Paving	8/21/2024	8/31/2024	6	10	
3	Architectural Coating	Architectural Coating	9/1/2024	9/12/2024	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**		**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	1.0584	0.2832	3.2500e-003	0.0875	1.3300e-003	0.0888	0.0251	1.2700e-003	0.0264		347.2841	347.2841	0.0192		347.7645
Worker	0.3325	0.2048	2.0072	5.7700e-003	0.6983	4.6700e-003	0.7029	0.1852	4.3000e-003	0.1895		575.1165	575.1165	0.0151		575.4934
Total	**0.3610**	**1.2632**	**2.2905**	**9.0200e-003**	**0.7857**	**6.0000e-003**	**0.7917**	**0.2104**	**5.5700e-003**	**0.2159**		**922.4006**	**922.4006**	**0.0343**		**923.2580**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8691	4.8424	13.6247	0.0221		0.1639	0.1639		0.1639	0.1639	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**0.8691**	**4.8424**	**13.6247**	**0.0221**		**0.1639**	**0.1639**		**0.1639**	**0.1639**	**0.0000**	**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	1.0584	0.2832	3.2500e-003	0.0875	1.3300e-003	0.0888	0.0251	1.2700e-003	0.0264		347.2841	347.2841	0.0192		347.7645
Worker	0.3325	0.2048	2.0072	5.7700e-003	0.6983	4.6700e-003	0.7029	0.1852	4.3000e-003	0.1895		575.1165	575.1165	0.0151		575.4934
Total	**0.3610**	**1.2632**	**2.2905**	**9.0200e-003**	**0.7857**	**6.0000e-003**	**0.7917**	**0.2104**	**5.5700e-003**	**0.2159**		**922.4006**	**922.4006**	**0.0343**		**923.2580**

3.3 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6180**	**5.8607**	**8.8253**	**0.0136**		**0.2810**	**0.2810**		**0.2594**	**0.2594**		**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0509	0.0313	0.3070	8.8000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.6000e-004	0.0290		87.9590	87.9590	2.3100e-003		88.0166
Total	**0.0509**	**0.0313**	**0.3070**	**8.8000e-004**	**0.1068**	**7.1000e-004**	**0.1075**	**0.0283**	**6.6000e-004**	**0.0290**		**87.9590**	**87.9590**	**2.3100e-003**		**88.0166**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.1598**	**0.6922**	**9.8512**	**0.0136**		**0.0213**	**0.0213**		**0.0213**	**0.0213**	**0.0000**	**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0509	0.0313	0.3070	8.8000e-004	0.1068	7.1000e-004	0.1075	0.0283	6.6000e-004	0.0290		87.9590	87.9590	2.3100e-003		88.0166
Total	**0.0509**	**0.0313**	**0.3070**	**8.8000e-004**	**0.1068**	**7.1000e-004**	**0.1075**	**0.0283**	**6.6000e-004**	**0.0290**		**87.9590**	**87.9590**	**2.3100e-003**		**88.0166**

3.4 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**234.2707**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0410	0.4015	1.1500e-003	0.1397	9.3000e-004	0.1406	0.0370	8.6000e-004	0.0379		115.0233	115.0233	3.0200e-003		115.0987
Total	**0.0665**	**0.0410**	**0.4015**	**1.1500e-003**	**0.1397**	**9.3000e-004**	**0.1406**	**0.0370**	**8.6000e-004**	**0.0379**		**115.0233**	**115.0233**	**3.0200e-003**		**115.0987**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**234.1197**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0665	0.0410	0.4015	1.1500e-003	0.1397	9.3000e-004	0.1406	0.0370	8.6000e-004	0.0379		115.0233	115.0233	3.0200e-003		115.0987
Total	**0.0665**	**0.0410**	**0.4015**	**1.1500e-003**	**0.1397**	**9.3000e-004**	**0.1406**	**0.0370**	**8.6000e-004**	**0.0379**		**115.0233**	**115.0233**	**3.0200e-003**		**115.0987**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 5

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 5

Land Use - Based on site plan and project description
Phase 5 Construction

Construction Phase - Phase 5 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/13/2025
tblConstructionPhase	PhaseEndDate	7/22/2025	8/21/2025
tblConstructionPhase	PhaseEndDate	8/2/2025	9/2/2025
tblConstructionPhase	PhaseStartDate	8/3/2025	9/3/2025
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2025
tblConstructionPhase	PhaseStartDate	7/23/2025	8/22/2025
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	1.3377	1.1952	1.5050	3.1900e-003	0.0763	0.0413	0.1176	0.0205	0.0398	0.0603	0.0000	271.9891	271.9891	0.0345	0.0000	272.8515
Maximum	**1.3377**	**1.1952**	**1.5050**	**3.1900e-003**	**0.0763**	**0.0413**	**0.1176**	**0.0205**	**0.0398**	**0.0603**	**0.0000**	**271.9891**	**271.9891**	**0.0345**	**0.0000**	**272.8515**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	1.2846	0.5983	1.6253	3.1900e-003	0.0763	0.0151	0.0914	0.0205	0.0151	0.0356	0.0000	271.9889	271.9889	0.0345	0.0000	272.8513
Maximum	**1.2846**	**0.5983**	**1.6253**	**3.1900e-003**	**0.0763**	**0.0151**	**0.0914**	**0.0205**	**0.0151**	**0.0356**	**0.0000**	**271.9889**	**271.9889**	**0.0345**	**0.0000**	**272.8513**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**3.97**	**49.94**	**-7.99**	**0.00**	**0.00**	**63.38**	**22.26**	**0.00**	**62.08**	**40.96**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**12-2-2024**	**3-1-2025**	0.3421	0.1829
2	**3-2-2025**	**6-1-2025**	0.5228	0.2787
3	**6-2-2025**	**9-1-2025**	0.4877	0.2490
4	**9-2-2025**	**9-30-2025**	1.1127	1.1051
		Highest	1.1127	1.1051

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2025	8/21/2025	6	200	
2	Paving	Paving	8/22/2025	9/2/2025	6	10	
3	Architectural Coating	Architectural Coating	9/3/2025	9/13/2025	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1325	1.0413	1.2439	2.2100e-003		0.0393	0.0393		0.0379	0.0379	0.0000	181.6322	181.6322	0.0297	0.0000	182.3736
Total	**0.1325**	**1.0413**	**1.2439**	**2.2100e-003**		**0.0393**	**0.0393**		**0.0379**	**0.0379**	**0.0000**	**181.6322**	**181.6322**	**0.0297**	**0.0000**	**182.3736**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6600e-003	0.1045	0.0255	3.3000e-004	8.4200e-003	1.2000e-004	8.5500e-003	2.4300e-003	1.2000e-004	2.5500e-003	0.0000	31.7174	31.7174	1.6600e-003	0.0000	31.7589
Worker	0.0279	0.0167	0.1794	5.6000e-004	0.0667	4.5000e-004	0.0672	0.0178	4.2000e-004	0.0182	0.0000	50.5834	50.5834	1.2200e-003	0.0000	50.6141
Total	**0.0306**	**0.1212**	**0.2048**	**8.9000e-004**	**0.0751**	**5.7000e-004**	**0.0757**	**0.0202**	**5.4000e-004**	**0.0207**	**0.0000**	**82.3008**	**82.3008**	**2.8800e-003**	**0.0000**	**82.3729**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.4726	1.3589	2.2100e-003		0.0144	0.0144		0.0144	0.0144	0.0000	181.6320	181.6320	0.0297	0.0000	182.3734
Total	**0.0821**	**0.4726**	**1.3589**	**2.2100e-003**		**0.0144**	**0.0144**		**0.0144**	**0.0144**	**0.0000**	**181.6320**	**181.6320**	**0.0297**	**0.0000**	**182.3734**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6600e-003	0.1045	0.0255	3.3000e-004	8.4200e-003	1.2000e-004	8.5500e-003	2.4300e-003	1.2000e-004	2.5500e-003	0.0000	31.7174	31.7174	1.6600e-003	0.0000	31.7589
Worker	0.0279	0.0167	0.1794	5.6000e-004	0.0667	4.5000e-004	0.0672	0.0178	4.2000e-004	0.0182	0.0000	50.5834	50.5834	1.2200e-003	0.0000	50.6141
Total	**0.0306**	**0.1212**	**0.2048**	**8.9000e-004**	**0.0751**	**5.7000e-004**	**0.0757**	**0.0202**	**5.4000e-004**	**0.0207**	**0.0000**	**82.3008**	**82.3008**	**2.8800e-003**	**0.0000**	**82.3729**

3.3 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8700e-003	0.0266	0.0440	7.0000e-005		1.2300e-003	1.2300e-003		1.1400e-003	1.1400e-003	0.0000	5.8868	5.8868	1.8700e-003	0.0000	5.9334
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8700e-003**	**0.0266**	**0.0440**	**7.0000e-005**		**1.2300e-003**	**1.2300e-003**		**1.1400e-003**	**1.1400e-003**	**0.0000**	**5.8868**	**5.8868**	**1.8700e-003**	**0.0000**	**5.9334**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.3000e-004	1.3700e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3868	0.3868	1.0000e-005	0.0000	0.3871
Total	**2.1000e-004**	**1.3000e-004**	**1.3700e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.3868**	**0.3868**	**1.0000e-005**	**0.0000**	**0.3871**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0000e-004	3.4600e-003	0.0493	7.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	5.8868	5.8868	1.8700e-003	0.0000	5.9334
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.0000e-004**	**3.4600e-003**	**0.0493**	**7.0000e-005**		**1.1000e-004**	**1.1000e-004**		**1.1000e-004**	**1.1000e-004**	**0.0000**	**5.8868**	**5.8868**	**1.8700e-003**	**0.0000**	**5.9334**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.3000e-004	1.3700e-003	0.0000	5.1000e-004	0.0000	5.1000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3868	0.3868	1.0000e-005	0.0000	0.3871
Total	**2.1000e-004**	**1.3000e-004**	**1.3700e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.1000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.3868**	**0.3868**	**1.0000e-005**	**0.0000**	**0.3871**

3.4 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.7300e-003	9.0500e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**1.1713**	**5.7300e-003**	**9.0500e-003**	**1.0000e-005**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.7000e-004	1.7900e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5058	0.5058	1.0000e-005	0.0000	0.5061
Total	**2.8000e-004**	**1.7000e-004**	**1.7900e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5058**	**0.5058**	**1.0000e-005**	**0.0000**	**0.5061**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1705					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5000e-004	6.4000e-004	9.1600e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**1.1706**	**6.4000e-004**	**9.1600e-003**	**1.0000e-005**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.7000e-004	1.7900e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5058	0.5058	1.0000e-005	0.0000	0.5061
Total	**2.8000e-004**	**1.7000e-004**	**1.7900e-003**	**1.0000e-005**	**6.7000e-004**	**0.0000**	**6.7000e-004**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5058**	**0.5058**	**1.0000e-005**	**0.0000**	**0.5061**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 5

Sonoma-San Francisco County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 5

Land Use - Based on site plan and project description
Phase 5 Construction

Construction Phase - Phase 5 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/13/2025
tblConstructionPhase	PhaseEndDate	7/22/2025	8/21/2025
tblConstructionPhase	PhaseEndDate	8/2/2025	9/2/2025
tblConstructionPhase	PhaseStartDate	8/3/2025	9/3/2025
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2025
tblConstructionPhase	PhaseStartDate	7/23/2025	8/22/2025
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	234.3181	11.6007	14.5980	0.0313	0.7857	0.3982	1.1840	0.2104	0.3839	0.5942	0.0000	2,948.4677	2,948.4677	0.4136	0.0000	2,957.4390
Maximum	**234.3181**	**11.6007**	**14.5980**	**0.0313**	**0.7857**	**0.3982**	**1.1840**	**0.2104**	**0.3839**	**0.5942**	**0.0000**	**2,948.4677**	**2,948.4677**	**0.4136**	**0.0000**	**2,957.4390**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	234.1770	5.9142	15.7471	0.0313	0.7857	0.1500	0.9357	0.2104	0.1496	0.3599	0.0000	2,948.4677	2,948.4677	0.4136	0.0000	2,957.4390
Maximum	**234.1770**	**5.9142**	**15.7471**	**0.0313**	**0.7857**	**0.1500**	**0.9357**	**0.2104**	**0.1496**	**0.3599**	**0.0000**	**2,948.4677**	**2,948.4677**	**0.4136**	**0.0000**	**2,957.4390**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.06**	**49.02**	**-7.87**	**0.00**	**0.00**	**62.34**	**20.97**	**0.00**	**61.04**	**39.43**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2025	8/21/2025	6	200	
2	Paving	Paving	8/22/2025	9/2/2025	6	10	
3	Architectural Coating	Architectural Coating	9/3/2025	9/13/2025	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**		**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	1.0389	0.2407	3.3000e-003	0.0875	1.2200e-003	0.0887	0.0251	1.1600e-003	0.0263		352.8538	352.8538	0.0177		353.2965
Worker	0.2864	0.1491	1.9179	5.9500e-003	0.6983	4.5500e-003	0.7028	0.1852	4.1900e-003	0.1894		593.4614	593.4614	0.0143		593.8177
Total	**0.3124**	**1.1879**	**2.1586**	**9.2500e-003**	**0.7857**	**5.7700e-003**	**0.7915**	**0.2104**	**5.3500e-003**	**0.2157**		**946.3153**	**946.3153**	**0.0320**		**947.1143**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8209	4.7263	13.5885	0.0221		0.1442	0.1442		0.1442	0.1442	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**0.8209**	**4.7263**	**13.5885**	**0.0221**		**0.1442**	**0.1442**		**0.1442**	**0.1442**	**0.0000**	**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0260	1.0389	0.2407	3.3000e-003	0.0875	1.2200e-003	0.0887	0.0251	1.1600e-003	0.0263		352.8538	352.8538	0.0177		353.2965
Worker	0.2864	0.1491	1.9179	5.9500e-003	0.6983	4.5500e-003	0.7028	0.1852	4.1900e-003	0.1894		593.4614	593.4614	0.0143		593.8177
Total	**0.3124**	**1.1879**	**2.1586**	**9.2500e-003**	**0.7857**	**5.7700e-003**	**0.7915**	**0.2104**	**5.3500e-003**	**0.2157**		**946.3153**	**946.3153**	**0.0320**		**947.1143**

3.3 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**		**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0438	0.0228	0.2933	9.1000e-004	0.1068	7.0000e-004	0.1075	0.0283	6.4000e-004	0.0290		90.7647	90.7647	2.1800e-003		90.8192
Total	**0.0438**	**0.0228**	**0.2933**	**9.1000e-004**	**0.1068**	**7.0000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**90.7647**	**90.7647**	**2.1800e-003**		**90.8192**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.1598**	**0.6922**	**9.8512**	**0.0136**		**0.0213**	**0.0213**		**0.0213**	**0.0213**	**0.0000**	**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0438	0.0228	0.2933	9.1000e-004	0.1068	7.0000e-004	0.1075	0.0283	6.4000e-004	0.0290		90.7647	90.7647	2.1800e-003		90.8192
Total	**0.0438**	**0.0228**	**0.2933**	**9.1000e-004**	**0.1068**	**7.0000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**90.7647**	**90.7647**	**2.1800e-003**		**90.8192**

3.4 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**234.2608**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0298	0.3836	1.1900e-003	0.1397	9.1000e-004	0.1406	0.0370	8.4000e-004	0.0379		118.6923	118.6923	2.8500e-003		118.7635
Total	**0.0573**	**0.0298**	**0.3836**	**1.1900e-003**	**0.1397**	**9.1000e-004**	**0.1406**	**0.0370**	**8.4000e-004**	**0.0379**		**118.6923**	**118.6923**	**2.8500e-003**		**118.7635**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**234.1197**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0298	0.3836	1.1900e-003	0.1397	9.1000e-004	0.1406	0.0370	8.4000e-004	0.0379		118.6923	118.6923	2.8500e-003		118.7635
Total	**0.0573**	**0.0298**	**0.3836**	**1.1900e-003**	**0.1397**	**9.1000e-004**	**0.1406**	**0.0370**	**8.4000e-004**	**0.0379**		**118.6923**	**118.6923**	**2.8500e-003**		**118.7635**

Elnoka Village Project - Tier IV Mitigated Construction - Phase 5

Sonoma-San Francisco County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	118.00	Dwelling Unit	1.91	166,270.90	337

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Elnoka Village Project - Tier IV Mitigated Construction - Phase 5

Land Use - Based on site plan and project description
Phase 5 Construction

Construction Phase - Phase 5 estimated construction schedule

Vehicle Trips - Construction only

Construction Off-road Equipment Mitigation - Compliance with BAAQMD best management practices; Tier IV mitigation for construction equipment >50 HP

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	8/14/2025	9/13/2025
tblConstructionPhase	PhaseEndDate	7/22/2025	8/21/2025
tblConstructionPhase	PhaseEndDate	8/2/2025	9/2/2025
tblConstructionPhase	PhaseStartDate	8/3/2025	9/3/2025
tblConstructionPhase	PhaseStartDate	12/2/2024	1/1/2025
tblConstructionPhase	PhaseStartDate	7/23/2025	8/22/2025
tblLandUse	BuildingSpaceSquareFeet	118,000.00	166,270.90
tblLandUse	LandUseSquareFeet	118,000.00	166,270.90
tblLandUse	LotAcreage	7.38	1.91
tblProjectCharacteristics	OperationalYear	2018	2026

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	234.3228	11.6411	14.5443	0.0308	0.7857	0.3983	1.1840	0.2104	0.3839	0.5943	0.0000	2,898.7584	2,898.7584	0.4135	0.0000	2,907.7413
Maximum	**234.3228**	**11.6411**	**14.5443**	**0.0308**	**0.7857**	**0.3983**	**1.1840**	**0.2104**	**0.3839**	**0.5943**	**0.0000**	**2,898.7584**	**2,898.7584**	**0.4135**	**0.0000**	**2,907.7413**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	234.1817	5.9546	15.6935	0.0308	0.7857	0.1500	0.9358	0.2104	0.1496	0.3600	0.0000	2,898.7584	2,898.7584	0.4135	0.0000	2,907.7413
Maximum	**234.1817**	**5.9546**	**15.6935**	**0.0308**	**0.7857**	**0.1500**	**0.9358**	**0.2104**	**0.1496**	**0.3600**	**0.0000**	**2,898.7584**	**2,898.7584**	**0.4135**	**0.0000**	**2,907.7413**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.06**	**48.85**	**-7.90**	**0.00**	**0.00**	**62.33**	**20.97**	**0.00**	**61.03**	**39.43**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2025	8/21/2025	6	200	
2	Paving	Paving	8/22/2025	9/2/2025	6	10	
3	Architectural Coating	Architectural Coating	9/3/2025	9/13/2025	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 336,699; Residential Outdoor: 112,233; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	85.00	13.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	17.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**		**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0275	1.0440	0.2708	3.2300e-003	0.0875	1.2800e-003	0.0887	0.0251	1.2200e-003	0.0264		345.1695	345.1695	0.0190		345.6444
Worker	0.3098	0.1843	1.8342	5.5300e-003	0.6983	4.5500e-003	0.7028	0.1852	4.1900e-003	0.1894		551.4365	551.4365	0.0134		551.7721
Total	**0.3373**	**1.2283**	**2.1050**	**8.7600e-003**	**0.7857**	**5.8300e-003**	**0.7915**	**0.2104**	**5.4100e-003**	**0.2158**		**896.6060**	**896.6060**	**0.0324**		**897.4165**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8209	4.7263	13.5885	0.0221		0.1442	0.1442		0.1442	0.1442	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**0.8209**	**4.7263**	**13.5885**	**0.0221**		**0.1442**	**0.1442**		**0.1442**	**0.1442**	**0.0000**	**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0275	1.0440	0.2708	3.2300e-003	0.0875	1.2800e-003	0.0887	0.0251	1.2200e-003	0.0264		345.1695	345.1695	0.0190		345.6444
Worker	0.3098	0.1843	1.8342	5.5300e-003	0.6983	4.5500e-003	0.7028	0.1852	4.1900e-003	0.1894		551.4365	551.4365	0.0134		551.7721
Total	**0.3373**	**1.2283**	**2.1050**	**8.7600e-003**	**0.7857**	**5.8300e-003**	**0.7915**	**0.2104**	**5.4100e-003**	**0.2158**		**896.6060**	**896.6060**	**0.0324**		**897.4165**

3.3 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**		**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0474	0.0282	0.2805	8.5000e-004	0.1068	7.0000e-004	0.1075	0.0283	6.4000e-004	0.0290		84.3374	84.3374	2.0500e-003		84.3887
Total	**0.0474**	**0.0282**	**0.2805**	**8.5000e-004**	**0.1068**	**7.0000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**84.3374**	**84.3374**	**2.0500e-003**		**84.3887**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1598	0.6922	9.8512	0.0136		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.1598**	**0.6922**	**9.8512**	**0.0136**		**0.0213**	**0.0213**		**0.0213**	**0.0213**	**0.0000**	**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0474	0.0282	0.2805	8.5000e-004	0.1068	7.0000e-004	0.1075	0.0283	6.4000e-004	0.0290		84.3374	84.3374	2.0500e-003		84.3887
Total	**0.0474**	**0.0282**	**0.2805**	**8.5000e-004**	**0.1068**	**7.0000e-004**	**0.1075**	**0.0283**	**6.4000e-004**	**0.0290**		**84.3374**	**84.3374**	**2.0500e-003**		**84.3887**

3.4 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**234.2608**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0620	0.0369	0.3668	1.1100e-003	0.1397	9.1000e-004	0.1406	0.0370	8.4000e-004	0.0379		110.2873	110.2873	2.6800e-003		110.3544
Total	**0.0620**	**0.0369**	**0.3668**	**1.1100e-003**	**0.1397**	**9.1000e-004**	**0.1406**	**0.0370**	**8.4000e-004**	**0.0379**		**110.2873**	**110.2873**	**2.6800e-003**		**110.3544**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	234.0900					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**234.1197**	**0.1288**	**1.8324**	**2.9700e-003**		**3.9600e-003**	**3.9600e-003**		**3.9600e-003**	**3.9600e-003**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0620	0.0369	0.3668	1.1100e-003	0.1397	9.1000e-004	0.1406	0.0370	8.4000e-004	0.0379		110.2873	110.2873	2.6800e-003		110.3544
Total	**0.0620**	**0.0369**	**0.3668**	**1.1100e-003**	**0.1397**	**9.1000e-004**	**0.1406**	**0.0370**	**8.4000e-004**	**0.0379**		**110.2873**	**110.2873**	**2.6800e-003**		**110.3544**

C.2 - Construction Health Risk Assessment Calculations (Unmitigated)

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Elnoka Construction DPM Emissions — no mitigation, fugitive dust control

No Mitigation Annual Emissions 2020

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2020**	
	8 hours/day	
	6 days/week	**RFI response**
	31 weeks/year	
	1488 hours/year	
Onsite Construction Area Source Size (m2):	**242762.6**	**from aermod**

Onsite Construction PM2.5 Emissions

2020 Construction Activity	Onsite Annual DPM Exhaust Emissions (tons/year)	Onsite Annual DPM Exhaust Emissions (g/sec)	Onsite DPM Source Exhaust Emissions (g/m2-sec)	Onsite Annual PM2.5 Fugitive Emissions (tons/year)	Onsite Annual PM2.5 Fugitive Emissions (g/sec)	Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)
Demolition	1.000E-02	1.695E-03	6.982E-09	1.900E-03	3.221E-04	1.327E-09
Site Preparation	1.310E-02	2.221E-03	9.147E-09	2.910E-02	4.933E-03	2.032E-08
Grading	7.900E-02	1.339E-02	5.516E-08	6.020E-02	1.020E-02	4.203E-08
Building Construction	4.150E-02	7.034E-03	2.898E-08	0.000E+00	0.000E+00	0.000E+00
Total	1.436E-01	2.434E-02	1.003E-07	9.120E-02	1.546E-02	6.368E-08

Offsite Construction Vehicle PM2.5 Emissions

2020 Construction Activity	Offsite Hauling Annual DPM Exhaust Emissions (tons/year)	Offsite Vendor Annual DPM Exhaust Emissions (tons/year)	Offsite Workers Annual DPM Exhaust Emissions (tons/year)	Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)	Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)	Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)
Demolition	1.300E-04	0.000E+00	1.000E-05	5.800E-04	0.000E+00	2.000E-04
Site Preparation	0.000E+00	0.000E+00	1.000E-05	0.000E+00	0.000E+00	2.400E-04
Grading	0.000E+00	0.000E+00	5.000E-05	0.000E+00	0.000E+00	1.650E-03
Building Construction	0.000E+00	7.340E-03	1.960E-03	0.000E+00	2.250E-02	6.960E-02
Total (tons/year)	1.300E-04	7.340E-03	2.030E-03	5.800E-04	2.250E-02	7.169E-02
Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8	20.0	7.3	10.8
Offsite Project Trip Distance Along Roadway Segment Project>SR-12 west	0.37	0.37	0.37	0.37	0.37	0.37
Offsite Project Emissions Along Roadway Segment Project>SR-12 west (tons/year)	2.382E-06	3.685E-04	6.889E-05	1.063E-05	1.130E-03	2.433E-03

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Project Exhaust Emissions (tons/year)	4.398E-04
Total Offsite Project Exhaust Emissions (grams/sec)	7.455E-05

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Project Fugitive Emissions (tons/year)	3.573E-03
Total Offsite Project Fugitive Emissions (grams/sec)	6.057E-04

Onsite Exhaust Emissions (tons/year)	1.436E-01
Onsite Exhaust Emissions (g/m2-sec)	1.003E-07

Onsite Fugitive Emissions (tons/year)	9.120E-02
Onsite Fugitive Emissions (g/m2-sec)	6.368E-08

TOTAL 1.440E-01

Elnoka Construction DPM Emissions

no mitigation, fugitive dust control

No Mitigation Annual Emissions 2021

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2021**
	8 hours/day
	6 days/week
	47 weeks/year
	2256 hours/year

Onsite Construction Area Source Size (m2): 242762.60

Onsite Construction PM2.5 Emissions

2021	**Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**		**Onsite Annual PM2.5 Fugitive Emissions (tons/year)**	**Onsite Annual PM2.5 Fugitive Emissions (g/sec)**	**Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)**
	Building Construction	1.055E-01	1.179E-02	4.859E-08		0.000E+00	0.000E+00	0.000E+00
	Paving	8.110E-03	9.067E-04	3.735E-09		0.000E+00	0.000E+00	0.000E+00
	Architectural Coating	1.220E-03	1.364E-04	5.619E-10		0.000E+00	0.000E+00	0.000E+00
	Total	**1.148E-01**	**1.284E-02**	**5.288E-08**	**Total**	**0.000E+00**	**0.000E+00**	**0.000E+00**

Offsite Construction Vehicle PM2.5 Emissions

2021	**Construction Activity**	**Offsite Hauling Annual DPM Exhaust Emissions (tons/year)**	**Offsite Vendor Annual DPM Exhaust Emissions (tons/year)**	**Offsite Workers Annual DPM Exhaust Emissions (tons/year)**		**Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)**
	Building Construction	0.000E+00	9.290E-03	5.580E-03		0.000E+00	6.660E-02	2.060E-01
	Paving	0.000E+00	0.000E+00	1.000E-05		0.000E+00	0.000E+00	4.100E-04
	Architectural Coating	0.000E+00	0.000E+00	1.200E-04		0.000E+00	0.000E+00	4.590E-03
	Total (tons/year)	**0.000E+00**	**9.290E-03**	**5.710E-03**	**Total (tons/year)**	**0.000E+00**	**6.660E-02**	**2.110E-01**
	Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8		20.0	7.3	10.8
	Offsite Project Trip Distance Project>SR-12 west	0.37	0.37	0.37		0.71	0.71	0.71
	Offsite Project Emissions Project>SR-12 west (tons/year)	**0.000E+00**	**4.664E-04**	**1.938E-04**		**0.000E+00**	**6.512E-03**	**1.395E-02**

Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	**6.602E-04**
Offsite Project Exhaust Emissions (grams/sec)	**7.381E-05**

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Project Fugitive Emissions (tons/year)	**2.046E-02**
Total Offsite Project Fugitive Emissions (grams/sec)	**2.287E-03**

Onsite Exhaust Emissions (tons/year)	**1.148E-01**
Onsite Exhaust Emissions (g/m2-sec)	**5.288E-08**

Onsite Fugitive Emissions (tons/year)	**0.000E+00**
Onsite Fugitive Emissions (g/m2-sec)	**0.000E+00**

1.155E-01

Elnoka Construction DPM Emissions

No Mitigation, Fugitive Dust Control

No Mitigation Annual Emissions 2022 - Phase II

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2022**	
	8	hours/day
	6	days/week
	37	weeks/year
	1776	hours/year

Onsite Construction Area Source Size (m2): 65782.00 construction area is different from phase I

Onsite Construction PM2.5 Emissions

2022 **Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**	**Onsite Annual PM2.5 Fugitive Emissions (tons/year)**	**Onsite Annual PM2.5 Fugitive Emissions (g/sec)**	**Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)**
Building Construction	5.690E-02	8.081E-03	1.228E-07	0.000E+00	0.000E+00	0.000E+00
Paving	1.600E-03	2.272E-04	3.454E-09	0.000E+00	0.000E+00	0.000E+00
Architectural Coating	4.100E-04	5.823E-05	8.852E-10	0.000E+00	0.000E+00	0.000E+00
Total	**5.891E-02**	**8.366E-03**	**1.272E-07**	**Total** **0.000E+00**	**0.000E+00**	**0.000E+00**

Offsite Construction Vehicle PM2.5 Emissions

2022 **Construction Activity**	**Offsite Hauling Annual DPM Exhaust Emissions (tons/year)**	**Offsite Vendor Annual DPM Exhaust Emissions (tons/year)**	**Offsite Workers Annual DPM Exhaust Emissions (tons/year)**	**Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)**
Building Construction	0.000E+00	3.000E-04	4.700E-04	0.000E+00	2.440E-03	1.800E-02
Paving	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.400E-04
Architectural Coating	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.800E-04
Total (tons/year)	**0.000E+00**	**3.000E-04**	**4.700E-04**	**Total (tons/year)** **0.000E+00**	**2.440E-03**	**1.832E-02**
Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8	20.0	7.3	10.8
Offsite Project Trip Distance Project>SR-12 west	0.37	0.37	0.37	0.71	0.71	0.71
Offsite Project Emissions Project>SR-12 west (tons/year)	**0.000E+00**	**1.506E-05**	**1.595E-05**	**0.000E+00**	**2.386E-04**	**1.211E-03**

Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	**3.101E-05**
Offsite Project Exhaust Emissions (grams/sec)	**4.404E-06**

Onsite Exhaust Emissions (tons/year)	**5.891E-02**
Onsite Exhaust Emissions (g/m2-sec)	**1.272E-07**

5.894E-02

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Projec	**1.449E-03**
Total Offsite Projec	**2.058E-04**

Onsite Fugitive Emi	**0.000E+00**
Onsite Fugitive Emi	**0.000E+00**

Elnoka Construction DPM Emissions

No Mitigation, Fugitive Dust Control

No Mitigation Annual Emissions 2023 - Phase III

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2023**
	8 hours/day
	6 days/week
	35 weeks/year
	1680 hours/year

Onsite Construction Area Source Size (m2): 19128.00 Phase III area

Onsite Construction PM2.5 Emissions

2023 **Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**	**Onsite Annual PM2.5 Fugitive Emissions (tons/year)**	**Onsite Annual PM2.5 Fugitive Emissions (g/sec)**	**Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)**
Building Construction	4.970E-02	7.462E-03	3.901E-07	0.000E+00	0.000E+00	0.000E+00
Paving	1.420E-03	2.132E-04	1.115E-08	0.000E+00	0.000E+00	0.000E+00
Architectural Coating	3.500E-04	5.255E-05	2.747E-09	0.000E+00	0.000E+00	0.000E+00
Total	**5.147E-02**	**7.727E-03**	**4.040E-07**	**Total**	**0.000E+00**	**0.000E+00**	**0.000E+00**

Offsite Construction Vehicle PM2.5 Emissions

2023 **Construction Activity**	**Offsite Hauling Annual DPM Exhaust Emissions (tons/year)**	**Offsite Vendor Annual DPM Exhaust Emissions (tons/year)**	**Offsite Workers Annual DPM Exhaust Emissions (tons/year)**	**Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)**
Building Construction	0.000E+00	1.300E-03	4.500E-04	0.000E+00	1.300E-04	4.500E-04
Paving	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.400E-04
Architectural Coating	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.800E-04
Total (tons/year)	**0.000E+00**	**1.300E-03**	**4.500E-04**	**Total (tons/year)**	**0.000E+00**	**1.300E-04**	**7.700E-04**
Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8		20.0	7.3	10.8
Offsite Project Trip Distance Project>SR-12 west	0.50	0.50	0.50		0.50	0.50	0.50
Offsite Project Emissions Project>SR-12 west (tons/year)	**0.000E+00**	**8.908E-05**	**2.084E-05**		**0.000E+00**	**8.908E-06**	**3.566E-05**

Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	**1.099E-04**
Offsite Project Exhaust Emissions (grams/sec)	**1.650E-05**

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Projec	**4.457E-05**
Total Offsite Projec	**6.691E-06**

Onsite Exhaust Emissions (tons/year)	**5.147E-02**
Onsite Exhaust Emissions (g/m2-sec)	**4.040E-07**

Onsite Fugitive Emi	**0.000E+00**
Onsite Fugitive Emi	**0.000E+00**

5.158E-02

Elnoka Construction DPM Emissions

No Mitigation, Fugitive Dust Control

No Mitigation Annual Emissions 2024 - Phase IV

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2024**	
	8	hours/day
	6	days/week
	35	weeks/year
	1680	hours/year

Onsite Construction Area Source Size (m2): 97419.60 Phase IV area

Onsite Construction PM2.5 Emissions

2024 **Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**		**Onsite Annual PM2.5 Fugitive Emissions (tons/year)**	**Onsite Annual PM2.5 Fugitive Emissions (g/sec)**	**Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)**
Building Construction	4.350E-02	6.531E-03	6.704E-08		0.000E+00	0.000E+00	0.000E+00
Paving	1.300E-03	1.952E-04	2.003E-09		0.000E+00	0.000E+00	0.000E+00
Architectural Coating	3.000E-04	4.504E-05	4.623E-10		0.000E+00	0.000E+00	0.000E+00
Total	**4.510E-02**	**6.771E-03**	**6.950E-08**	**Total**	**0.000E+00**	**0.000E+00**	**0.000E+00**

Offsite Construction Vehicle PM2.5 Emissions

2024 **Construction Activity**	**Offsite Hauling Annual DPM Exhaust Emissions (tons/year)**	**Offsite Vendor Annual DPM Exhaust Emissions (tons/year)**	**Offsite Workers Annual DPM Exhaust Emissions (tons/year)**		**Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)**
Building Construction	0.000E+00	1.200E-04	4.300E-04		0.000E+00	2.430E-03	1.780E-02
Paving	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.400E-04
Architectural Coating	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.800E-04
Total (tons/year)	**0.000E+00**	**1.200E-04**	**4.300E-04**	**Total (tons/year)**	**0.000E+00**	**2.430E-03**	**1.812E-02**
Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8		20.0	7.3	10.8
Offsite Project Trip Distance Project>SR-12 west	0.72	0.72	0.72		0.72	0.72	0.72
Offsite Project Emissions Project>SR-12 west (tons/year)	**0.000E+00**	**1.178E-05**	**2.854E-05**		**0.000E+00**	**2.386E-04**	**1.203E-03**

Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	**4.033E-05**
Offsite Project Exhaust Emissions (grams/sec)	**6.054E-06**

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Projec	**1.441E-03**
Total Offsite Projec	**2.164E-04**

Onsite Exhaust Emissions (tons/year)	**4.510E-02**
Onsite Exhaust Emissions (g/m2-sec)	**6.950E-08**

Onsite Fugitive Emi	**0.000E+00**
Onsite Fugitive Emi	**0.000E+00**

4.514E-02

Elnoka Construction DPM Emissions

No Mitigation, Fugitive Dust Control

No Mitigation Annual Emissions 2025 - Phase V

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2025**
	8 hours/day
	6 days/week
	35 weeks/year
	1680 hours/year

Onsite Construction Area Source Size (m2): 52060.00 Phase V

Onsite Construction PM2.5 Emissions

2025 **Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**		**Onsite Annual PM2.5 Fugitive Emissions (tons/year)**	**Onsite Annual PM2.5 Fugitive Emissions (g/sec)**	**Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)**
Building Construction	3.790E-02	5.690E-03	1.093E-07		0.000E+00	0.000E+00	0.000E+00
Paving	1.140E-03	1.712E-04	3.288E-09		0.000E+00	0.000E+00	0.000E+00
Architectural Coating	2.600E-04	3.903E-05	7.498E-10		0.000E+00	0.000E+00	0.000E+00
Total	**3.930E-02**	**5.900E-03**	**1.133E-07**	**Total**	**0.000E+00**	**0.000E+00**	**0.000E+00**

Offsite Construction Vehicle PM2.5 Emissions

2025 **Construction Activity**	**Offsite Hauling Annual DPM Exhaust Emissions (tons/year)**	**Offsite Vendor Annual DPM Exhaust Emissions (tons/year)**	**Offsite Workers Annual DPM Exhaust Emissions (tons/year)**		**Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)**
Building Construction	0.000E+00	1.200E-04	4.200E-04		0.000E+00	2.430E-03	1.780E-02
Paving	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.400E-04
Architectural Coating	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.800E-04
Total (tons/year)	**0.000E+00**	**1.200E-04**	**4.200E-04**	**Total (tons/year)**	**0.000E+00**	**2.430E-03**	**1.812E-02**
Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8		20.0	7.3	10.8
Offsite Project Trip Distance Project>SR-12 west	0.61	0.61	0.61		0.61	0.61	0.61
Offsite Project Emissions Project>SR-12 west (tons/year)	**0.000E+00**	**9.946E-06**	**2.353E-05**		**0.000E+00**	**2.014E-04**	**1.015E-03**

Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	**3.348E-05**
Offsite Project Exhaust Emissions (grams/sec)	**5.026E-06**

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Projec	**1.217E-03**
Total Offsite Projec	**1.826E-04**

Onsite Exhaust Emissions (tons/year)	**3.930E-02**
Onsite Exhaust Emissions (g/m2-sec)	**1.133E-07**

Onsite Fugitive Emi	**0.000E+00**
Onsite Fugitive Emi	**0.000E+00**

3.933E-02

Elnoka Construction DPM Emissions

2020 **No mitigation** **At Sensitive Receptors**

Annual Emissions 2020

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 1.00E-07 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 6.37E-08 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 7.45E-05 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 6.06E-04 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	28.88924	0.02897	0.01840	0.00005	3.72737E-05	3.02837E-04	0.02900	1.86991E-02	4.77024E-02
532839.56	4256029.53	33.22996	0.03332	0.02116	0.00005	3.72737E-05	3.02837E-04	0.03336	2.14632E-02	5.48188E-02
532820.46	4255995.88	34.32454	0.03442	0.02186	0.00004	2.98190E-05	2.42270E-04	0.03445	2.20997E-02	5.65453E-02
532825.92	4255944.04	23.88236	0.02395	0.01521	0.00003	2.23642E-05	1.81702E-04	0.02397	1.53897E-02	3.93579E-02
532789.54	4255936.77	31.1829	0.03127	0.01986	0.00003	2.23642E-05	1.81702E-04	0.03129	2.00385E-02	5.13267E-02
532768.62	4255908.57	30.33112	0.03041	0.01931	0.00003	2.23642E-05	1.81702E-04	0.03043	1.94961E-02	4.99303E-02
532752.25	4255856.74	26.22261	0.02629	0.01670	0.00002	1.49095E-05	1.21135E-04	0.02631	1.68193E-02	4.31266E-02
532784.99	4255815.81	17.39016	0.01744	0.01107	0.00002	1.49095E-05	1.21135E-04	0.01745	1.11949E-02	2.86462E-02
532752.41	4255882.75	29.97318	0.03005	0.01909	0.00002	1.49095E-05	1.21135E-04	0.03007	1.92076E-02	4.92754E-02
532771.07	4255831.73	20.40554	0.02046	0.01299	0.00002	1.49095E-05	1.21135E-04	0.02047	1.31151E-02	3.35898E-02
532801.39	4255883.33	20.73959	0.02079	0.01321	0.00003	2.23642E-05	1.81702E-04	0.02082	1.33884E-02	3.42055E-02
532815.67	4255858.55	16.8577	0.01690	0.01073	0.00002	1.49095E-05	1.21135E-04	0.01692	1.08559E-02	2.77733E-02
532829.67	4255901.7	18.51902	0.01857	0.01179	0.00003	2.23642E-05	1.81702E-04	0.01859	1.19744E-02	3.05650E-02
532846.58	4255878.38	14.96014	0.01500	0.00953	0.00002	1.49095E-05	1.21135E-04	0.01501	9.64754E-03	2.46624E-02
532864.66	4255855.93	12.36574	0.01240	0.00787	0.00002	1.49095E-05	1.21135E-04	0.01241	7.99546E-03	2.04090E-02
532838.12	4255838.72	13.55664	0.01359	0.00863	0.00002	1.49095E-05	1.21135E-04	0.01361	8.75381E-03	2.23614E-02
532866.42	4255959.35	17.87568	0.01792	0.01138	0.00003	2.23642E-05	1.81702E-04	0.01795	1.15647E-02	2.95103E-02
532871.67	4255990.02	19.38941	0.01944	0.01235	0.00004	2.98190E-05	2.42270E-04	0.01947	1.25892E-02	3.20600E-02
532871.67	4255933.93	15.44239	0.01548	0.00983	0.00003	2.23642E-05	1.81702E-04	0.01551	1.00152E-02	2.55210E-02
532882.16	4255912.94	13.28825	0.01332	0.00846	0.00003	2.23642E-05	1.81702E-04	0.01335	8.64347E-03	2.19894E-02
532899.11	4255889.13	10.79984	0.01083	0.00688	0.00002	1.49095E-05	1.21135E-04	0.01084	6.99832E-03	1.78418E-02
532916.87	4255985.98	12.51722	0.01255	0.00797	0.00003	2.23642E-05	1.81702E-04	0.01257	8.15249E-03	2.07254E-02
532930.18	4255965	10.47761	0.01051	0.00667	0.00003	2.23642E-05	1.81702E-04	0.01053	6.85370E-03	1.73815E-02
532916.46	4255866.54	8.90991	0.00893	0.00567	0.00002	1.49095E-05	1.21135E-04	0.00895	5.79484E-03	1.47433E-02
532930.18	4255845.95	7.65971	0.00768	0.00488	0.00002	1.49095E-05	1.21135E-04	0.00769	4.99873E-03	1.26937E-02
532944.71	4255935.95	8.63403	0.00866	0.00550	0.00002	1.49095E-05	1.21135E-04	0.00867	5.61916E-03	1.42911E-02
532958.43	4255906.08	7.18011	0.00720	0.00457	0.00002	1.49095E-05	1.21135E-04	0.00721	4.69333E-03	1.19074E-02
532970.94	4255886.31	6.2316	0.00625	0.00397	0.00002	1.49095E-05	1.21135E-04	0.00626	4.08933E-03	1.03524E-02
532946.32	4255819.72	6.48942	0.00651	0.00413	0.00002	1.49095E-05	1.21135E-04	0.00652	4.25351E-03	1.07751E-02
532991.12	4255858.46	5.23911	0.00525	0.00334	0.00002	1.49095E-05	1.21135E-04	0.00527	3.45733E-03	8.72527E-03
533010.89	4255843.13	4.56133	0.00457	0.00290	0.00001	7.45474E-06	6.05675E-05	0.00458	2.96516E-03	7.54607E-03
532884.58	4255809.23	8.71626	0.00874	0.00555	0.00002	1.49095E-05	1.21135E-04	0.00875	5.67153E-03	1.44259E-02
532851.89	4255793.49	9.75897	0.00978	0.00621	0.00002	1.49095E-05	1.21135E-04	0.00980	6.33551E-03	1.61353E-02
532824.05	4255791.48	12.21714	0.01225	0.00778	0.00002	1.49095E-05	1.21135E-04	0.01226	7.90084E-03	2.01654E-02
533034.3	4255820.94	3.86025	0.00387	0.00246	0.00001	7.45474E-06	6.05675E-05	0.00388	2.51872E-03	6.39669E-03
533054.47	4255804.39	3.37059	0.00338	0.00215	0.00001	7.45474E-06	6.05675E-05	0.00339	2.20691E-03	5.59392E-03
532909.2	4256052.57	18.16629	0.01821	0.01157	0.00004	2.98190E-05	2.42270E-04	0.01824	1.18103E-02	3.00547E-02
532944.71	4256040.06	12.20007	0.01223	0.00777	0.00003	2.23642E-05	1.81702E-04	0.01225	7.95054E-03	2.02054E-02
532966.5	4256021.09	9.53898	0.00956	0.00607	0.00002	1.49095E-05	1.21135E-04	0.00958	6.19542E-03	1.57747E-02
532997.98	4256021.9	7.70204	0.00772	0.00490	0.00002	1.49095E-05	1.21135E-04	0.00774	5.02569E-03	1.27631E-02
532950.36	4256084.85	14.07226	0.01411	0.00896	0.00003	2.23642E-05	1.81702E-04	0.01413	9.14272E-03	2.32748E-02
532990.71	4256062.25	9.15025	0.00917	0.00583	0.00002	1.49095E-05	1.21135E-04	0.00919	5.94789E-03	1.51374E-02
533036.72	4256020.29	5.84469	0.00586	0.00372	0.00002	1.49095E-05	1.21135E-04	0.00588	3.84295E-03	9.71809E-03
533057.7	4256017.06	5.07729	0.00509	0.00323	0.00001	7.45474E-06	6.05675E-05	0.00510	3.29371E-03	8.39196E-03
533018.96	4255976.7	5.91509	0.00593	0.00377	0.00002	1.49095E-05	1.21135E-04	0.00595	3.88778E-03	9.83351E-03
533047.61	4255967.02	4.79573	0.00481	0.00305	0.00001	7.45474E-06	6.05675E-05	0.00482	3.11442E-03	7.93036E-03
532985.47	4255968.23	7.12296	0.00714	0.00454	0.00002	1.49095E-05	1.21135E-04	0.00716	4.65694E-03	1.18137E-02
533002.01	4255941.59	5.86245	0.00588	0.00373	0.00002	1.49095E-05	1.21135E-04	0.00589	3.85426E-03	9.74721E-03
533019.77	4255916.58	4.89915	0.00491	0.00312	0.00002	1.49095E-05	1.21135E-04	0.00493	3.24084E-03	8.16793E-03
533030.26	4255895.99	4.40861	0.00442	0.00281	0.00001	7.45474E-06	6.05675E-05	0.00443	2.86791E-03	7.29569E-03
533059.72	4255876.22	3.60498	0.00361	0.00230	0.00001	7.45474E-06	6.05675E-05	0.00362	2.35617E-03	5.97819E-03
533068.19	4255956.12	4.15127	0.00416	0.00264	0.00001	7.45474E-06	6.05675E-05	0.00417	2.70404E-03	6.87380E-03
533085.55	4256006.57	4.28671	0.00430	0.00273	0.00001	7.45474E-06	6.05675E-05	0.00431	2.79028E-03	7.09585E-03
533113.79	4255991.23	3.63867	0.00365	0.00232	0.00001	7.45474E-06	6.05675E-05	0.00366	2.37762E-03	6.03342E-03
533090.79	4255942.81	3.62215	0.00363	0.00231	0.00001	7.45474E-06	6.05675E-05	0.00364	2.36710E-03	6.00634E-03
533138.01	4255979.93	3.18995	0.00320	0.00203	0.00001	7.45474E-06	6.05675E-05	0.00321	2.09188E-03	5.29777E-03
533115.01	4255927.07	3.13739	0.00315	0.00200	0.00001	7.45474E-06	6.05675E-05	0.00315	2.05841E-03	5.21160E-03
533156.17	4255967.02	2.86823	0.00288	0.00183	0.00001	7.45474E-06	6.05675E-05	0.00288	1.88702E-03	4.77033E-03
533137.2	4255912.14	2.75345	0.00276	0.00175	0.00001	7.45474E-06	6.05675E-05	0.00277	1.81393E-03	4.58215E-03
532524.44	4256235.64	66.69552	0.06687	0.04247	0.00011	8.20022E-05	6.66242E-04	0.06695	4.31370E-02	1.10092E-01
532509.17	4256223.67	73.80845	0.07400	0.04700	0.00009	6.70927E-05	5.45107E-04	0.07407	4.75453E-02	1.21617E-01

532492.71	4256241.32	68.92187	0.06911	0.04389	0.00010	7.45474E-05	6.05675E-04	0.06918	4.44942E-02	1.13674E-01
532478.35	4256259.28	62.58175	0.06275	0.03985	0.00011	8.20022E-05	6.66242E-04	0.06283	4.05174E-02	1.03348E-01
532464.28	4256274.25	58.2057	0.05836	0.03706	0.00011	8.20022E-05	6.66242E-04	0.05844	3.77308E-02	9.61733E-02
532544.49	4256258.08	59.18049	0.05934	0.03769	0.00015	1.11821E-04	9.08512E-04	0.05945	3.85938E-02	9.80435E-02
532451.71	4256294.9	51.74219	0.05188	0.03295	0.00013	9.69117E-05	7.87377E-04	0.05198	3.37361E-02	8.57127E-02
532437.65	4256313.75	46.91604	0.04704	0.02988	0.00014	1.04366E-04	8.47944E-04	0.04715	3.07234E-02	7.78686E-02
532389.76	4256310.76	53.40791	0.05355	0.03401	0.00010	7.45474E-05	6.05675E-04	0.05362	3.46151E-02	8.82395E-02
532404.75	4256293.03	59.03196	0.05919	0.03759	0.00009	6.70927E-05	5.45107E-04	0.05926	3.81358E-02	9.73918E-02
532175.23	4256196.06	19.08093	0.01913	0.01215	0.00001	7.45474E-06	6.05675E-05	0.01914	1.22110E-02	3.13501E-02
532165.28	4256184.87	15.60765	0.01565	0.00994	0.00001	7.45474E-06	6.05675E-05	0.01566	9.99930E-03	2.56559E-02
532120.55	4256157.12	5.97254	0.00599	0.00380	0.00001	7.45474E-06	6.05675E-05	0.00600	3.86380E-03	9.85967E-03
532513.25	4256183.63	95.91099	0.09617	0.06107	0.00007	5.21832E-05	4.23972E-04	0.09622	6.14987E-02	1.57717E-01
532534.79	4256190.67	86.98287	0.08721	0.05539	0.00008	5.96380E-05	4.84540E-04	0.08727	5.58740E-02	1.43148E-01
532551.36	4256205.17	80.1973	0.08041	0.05107	0.00010	7.45474E-05	6.05675E-04	0.08049	5.16742E-02	1.32159E-01
532567.51	4256226.3	76.45317	0.07666	0.04868	0.00013	9.69117E-05	7.87377E-04	0.07675	4.94717E-02	1.26225E-01
532577.87	4256251.57	71.29426	0.07148	0.04540	0.00017	1.26731E-04	1.02965E-03	0.07161	4.64288E-02	1.18039E-01
532423.77	4256334.42	42.05286	0.04216	0.02678	0.00015	1.11821E-04	9.08512E-04	0.04228	2.76872E-02	6.99637E-02
532306.13	4256321.16	47.86861	0.04800	0.03048	0.00005	3.72737E-05	3.02837E-04	0.04803	3.07849E-02	7.88180E-02
532332.64	4256344.36	41.68429	0.04180	0.02654	0.00008	5.96380E-05	4.84540E-04	0.04185	2.70285E-02	6.88833E-02
532365.78	4256346.43	41.43587	0.04155	0.02639	0.00011	8.20022E-05	6.66242E-04	0.04163	2.70520E-02	6.86801E-02
532374.89	4256332.34	46.03327	0.04616	0.02931	0.00010	7.45474E-05	6.05675E-04	0.04623	2.99190E-02	7.61492E-02
532393.12	4256371.28	34.33274	0.03442	0.02186	0.00018	1.34185E-04	1.09021E-03	0.03456	2.29528E-02	5.75110E-02
532404.72	4256354.71	37.85598	0.03796	0.02411	0.00016	1.19276E-04	9.69079E-04	0.03808	2.50752E-02	6.31511E-02
532556.33	4256278.08	55.17211	0.05532	0.03513	0.00020	1.49095E-04	1.21135E-03	0.05547	3.63442E-02	9.18121E-02
532219.49	4255941.37	6.29836	0.00632	0.00401	0.00001	7.45474E-06	6.05675E-05	0.00632	4.07127E-03	1.03938E-02
532133.49	4256010.18	3.22297	0.00323	0.00205	0.00001	7.45474E-06	6.05675E-05	0.00324	2.11291E-03	5.35190E-03
CONCUNIT ug	/m^3	0								

Elnoka Construction DPM Emissions

2021 **No mitigation** **at Sensitive Receptors**

Annual Emissions 2021

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 5.29E-08 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 0.00E+00 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 7.38E-05 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 2.29E-03 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	28.88924	0.01528	0.00000	0.00005	3.69057E-05	1.14355E-03	0.01531	0.00	0.02
532839.56	4256029.53	33.22996	0.01757	0.00000	0.00005	3.69057E-05	1.14355E-03	0.01761	0.00	0.02
532820.46	4255995.88	34.32454	0.01815	0.00000	0.00004	2.95246E-05	9.14840E-04	0.01818	0.00	0.02
532825.92	4255944.04	23.88236	0.01263	0.00000	0.00003	2.21434E-05	6.86130E-04	0.01265	0.00	0.01
532789.54	4255936.77	31.1829	0.01649	0.00000	0.00003	2.21434E-05	6.86130E-04	0.01651	0.00	0.02
532768.62	4255908.57	30.33112	0.01604	0.00000	0.00003	2.21434E-05	6.86130E-04	0.01606	0.00	0.02
532752.25	4255856.74	26.22261	0.01387	0.00000	0.00002	1.47623E-05	4.57420E-04	0.01388	0.00	0.01
532784.99	4255815.81	17.39016	0.00920	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00921	0.00	0.01
532752.41	4255882.75	29.97318	0.01585	0.00000	0.00002	1.47623E-05	4.57420E-04	0.01587	0.00	0.02
532771.07	4255831.73	20.40554	0.01079	0.00000	0.00002	1.47623E-05	4.57420E-04	0.01081	0.00	0.01
532801.39	4255883.33	20.73959	0.01097	0.00000	0.00003	2.21434E-05	6.86130E-04	0.01099	0.00	0.01
532815.67	4255858.55	16.8577	0.00891	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00893	0.00	0.01
532829.67	4255901.7	18.51902	0.00979	0.00000	0.00003	2.21434E-05	6.86130E-04	0.00982	0.00	0.01
532846.58	4255878.38	14.96014	0.00791	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00793	0.00	0.01
532864.66	4255855.93	12.36574	0.00654	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00655	0.00	0.01
532838.12	4255838.72	13.55664	0.00717	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00718	0.00	0.01
532866.42	4255959.35	17.87568	0.00945	0.00000	0.00003	2.21434E-05	6.86130E-04	0.00948	0.00	0.01
532871.67	4255990.02	19.38941	0.01025	0.00000	0.00004	2.95246E-05	9.14840E-04	0.01028	0.00	0.01
532871.67	4255933.93	15.44239	0.00817	0.00000	0.00003	2.21434E-05	6.86130E-04	0.00819	0.00	0.01
532882.16	4255912.94	13.28825	0.00703	0.00000	0.00003	2.21434E-05	6.86130E-04	0.00705	0.00	0.01
532899.11	4255889.13	10.79984	0.00571	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00573	0.00	0.01
532916.87	4255985.98	12.51722	0.00662	0.00000	0.00003	2.21434E-05	6.86130E-04	0.00664	0.00	0.01
532930.18	4255965	10.47761	0.00554	0.00000	0.00003	2.21434E-05	6.86130E-04	0.00556	0.00	0.01
532916.46	4255866.54	8.90991	0.00471	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00473	0.00	0.01
532930.18	4255845.95	7.65971	0.00405	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00407	0.00	0.00
532944.71	4255935.95	8.63403	0.00457	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00458	0.00	0.01
532958.43	4255906.08	7.18011	0.00380	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00381	0.00	0.00
532970.94	4255886.31	6.2316	0.00330	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00331	0.00	0.00
532946.32	4255819.72	6.48942	0.00343	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00345	0.00	0.00
532991.12	4255858.46	5.23911	0.00277	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00279	0.00	0.00
533010.89	4255843.13	4.56133	0.00241	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00242	0.00	0.00
532884.58	4255809.23	8.71626	0.00461	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00462	0.00	0.01
532851.89	4255793.49	9.75897	0.00516	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00518	0.00	0.01
532824.05	4255791.48	12.21714	0.00646	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00648	0.00	0.01
533034.3	4255820.94	3.86025	0.00204	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00205	0.00	0.00
533054.47	4255804.39	3.37059	0.00178	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00179	0.00	0.00
532909.2	4256052.57	18.16629	0.00961	0.00000	0.00004	2.95246E-05	9.14840E-04	0.00964	0.00	0.01
532944.71	4256040.06	12.20007	0.00645	0.00000	0.00003	2.21434E-05	6.86130E-04	0.00647	0.00	0.01
532966.5	4256021.09	9.53898	0.00504	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00506	0.00	0.01
532997.98	4256021.9	7.70204	0.00407	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00409	0.00	0.00
532950.36	4256084.85	14.07226	0.00744	0.00000	0.00003	2.21434E-05	6.86130E-04	0.00746	0.00	0.01
532990.71	4256062.25	9.15025	0.00484	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00485	0.00	0.01
533036.72	4256020.29	5.84469	0.00309	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00311	0.00	0.00
533057.7	4256017.06	5.07729	0.00269	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00269	0.00	0.00
533018.96	4255976.7	5.91509	0.00313	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00314	0.00	0.00

533047.61	4255967.02	4.79573	0.00254	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00254	0.00	0.00
532985.47	4255968.23	7.12296	0.00377	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00378	0.00	0.00
533002.01	4255941.59	5.86245	0.00310	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00312	0.00	0.00
533019.77	4255916.58	4.89915	0.00259	0.00000	0.00002	1.47623E-05	4.57420E-04	0.00261	0.00	0.00
533030.26	4255895.99	4.40861	0.00233	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00234	0.00	0.00
533059.72	4255876.22	3.60498	0.00191	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00191	0.00	0.00
533068.19	4255956.12	4.15127	0.00220	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00220	0.00	0.00
533085.55	4256006.57	4.28671	0.00227	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00227	0.00	0.00
533113.79	4255991.23	3.63867	0.00192	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00193	0.00	0.00
533090.79	4255942.81	3.62215	0.00192	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00192	0.00	0.00
533138.01	4255979.93	3.18995	0.00169	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00169	0.00	0.00
533115.01	4255927.07	3.13739	0.00166	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00167	0.00	0.00
533156.17	4255967.02	2.86823	0.00152	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00152	0.00	0.00
533137.2	4255912.14	2.75345	0.00146	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00146	0.00	0.00
532524.44	4256235.64	66.69552	0.03527	0.00000	0.00011	8.11926E-05	2.51581E-03	0.03535	0.00	0.04
532509.17	4256223.67	73.80845	0.03903	0.00000	0.00009	6.64303E-05	2.05839E-03	0.03910	0.00	0.04
532492.71	4256241.32	68.92187	0.03645	0.00000	0.00010	7.38115E-05	2.28710E-03	0.03652	0.00	0.04
532478.35	4256259.28	62.58175	0.03310	0.00000	0.00011	8.11926E-05	2.51581E-03	0.03318	0.00	0.04
532464.28	4256274.25	58.2057	0.03078	0.00000	0.00011	8.11926E-05	2.51581E-03	0.03086	0.00	0.03
532544.49	4256258.08	59.18049	0.03130	0.00000	0.00015	1.10717E-04	3.43065E-03	0.03141	0.00	0.03
532451.71	4256294.9	51.74219	0.02736	0.00000	0.00013	9.59549E-05	2.97323E-03	0.02746	0.00	0.03
532437.65	4256313.75	46.91604	0.02481	0.00000	0.00014	1.03336E-04	3.20194E-03	0.02491	0.00	0.03
532389.76	4256310.76	53.40791	0.02824	0.00000	0.00010	7.38115E-05	2.28710E-03	0.02832	0.00	0.03
532404.75	4256293.03	59.03196	0.03122	0.00000	0.00009	6.64303E-05	2.05839E-03	0.03128	0.00	0.03
532175.23	4256196.06	19.08093	0.01009	0.00000	0.00001	7.38115E-06	2.28710E-04	0.01010	0.00	0.01
532165.28	4256184.87	15.60765	0.00825	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00826	0.00	0.01
532120.55	4256157.12	5.97254	0.00316	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00317	0.00	0.00
532513.25	4256183.63	95.91099	0.05072	0.00000	0.00007	5.16680E-05	1.60097E-03	0.05077	0.00	0.05
532534.79	4256190.67	86.98287	0.04600	0.00000	0.00008	5.90492E-05	1.82968E-03	0.04606	0.00	0.05
532551.36	4256205.17	80.1973	0.04241	0.00000	0.00010	7.38115E-05	2.28710E-03	0.04248	0.00	0.04
532567.51	4256226.3	76.45317	0.04043	0.00000	0.00013	9.59549E-05	2.97323E-03	0.04053	0.00	0.04
532577.87	4256251.57	71.29426	0.03770	0.00000	0.00017	1.25479E-04	3.88807E-03	0.03783	0.00	0.04
532423.77	4256334.42	42.05286	0.02224	0.00000	0.00015	1.10717E-04	3.43065E-03	0.02235	0.00	0.03
532306.13	4256321.16	47.86861	0.02531	0.00000	0.00005	3.69057E-05	1.14355E-03	0.02535	0.00	0.03
532332.64	4256344.36	41.68429	0.02204	0.00000	0.00008	5.90492E-05	1.82968E-03	0.02210	0.00	0.02
532365.78	4256346.43	41.43587	0.02191	0.00000	0.00011	8.11926E-05	2.51581E-03	0.02199	0.00	0.02
532374.89	4256332.34	46.03327	0.02434	0.00000	0.00010	7.38115E-05	2.28710E-03	0.02442	0.00	0.03
532393.12	4256371.28	34.33274	0.01816	0.00000	0.00018	1.32861E-04	4.11678E-03	0.01829	0.00	0.02
532404.72	4256354.71	37.85598	0.02002	0.00000	0.00016	1.18098E-04	3.65936E-03	0.02014	0.00	0.02
532556.33	4256278.08	55.17211	0.02918	0.00000	0.00020	1.47623E-04	4.57420E-03	0.02932	0.00	0.03
532219.49	4255941.37	6.29836	0.00333	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00334	0.00	0.00
532133.49	4256010.18	3.22297	0.00170	0.00000	0.00001	7.38115E-06	2.28710E-04	0.00171	0.00	0.00

Elnoka Construction DPM Emissions

2022 **No Mitigation** **at Sensitive Receptors**

Annual Emissions 2022 - Phase II

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 1.27E-07 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 0.00E+00 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 4.40E-06 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 2.06E-04 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	18.53856	0.02358	0.00000	0.00005	2.20215E-06	1.02916E-04	0.02358	0.0001	0.0237
532839.56	4256029.53	20.47499	0.02604	0.00000	0.00005	2.20215E-06	1.02916E-04	0.02604	0.0001	0.0261
532820.46	4255995.88	18.62645	0.02369	0.00000	0.00004	1.76172E-06	8.23327E-05	0.02369	0.0001	0.0238
532825.92	4255944.04	10.87621	0.01383	0.00000	0.00003	1.32129E-06	6.17495E-05	0.01383	0.0001	0.0139
532789.54	4255936.77	10.22907	0.01301	0.00000	0.00003	1.32129E-06	6.17495E-05	0.01301	0.0001	0.0131
532768.62	4255908.57	6.92627	0.00881	0.00000	0.00003	1.32129E-06	6.17495E-05	0.00881	0.0001	0.0089
532752.25	4255856.74	4.26851	0.00543	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00543	0.0000	0.0055
532784.99	4255815.81	3.69499	0.00470	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00470	0.0000	0.0047
532752.41	4255882.75	5.16808	0.00657	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00657	0.0000	0.0066
532771.07	4255831.73	3.90833	0.00497	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00497	0.0000	0.0050
532801.39	4255883.33	6.203	0.00789	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00789	0.0000	0.0079
532815.67	4255858.55	5.23923	0.00666	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00666	0.0000	0.0067
532829.67	4255901.7	7.32225	0.00931	0.00000	0.00003	1.32129E-06	6.17495E-05	0.00931	0.0001	0.0094
532846.58	4255878.38	6.01391	0.00765	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00765	0.0000	0.0077
532864.66	4255855.93	5.07229	0.00645	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00645	0.0000	0.0065
532838.12	4255838.72	4.63224	0.00589	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00589	0.0000	0.0059
532866.42	4255959.35	9.41197	0.01197	0.00000	0.00003	1.32129E-06	6.17495E-05	0.01197	0.0001	0.0120
532871.67	4255990.02	10.7326	0.01365	0.00000	0.00004	1.76172E-06	8.23327E-05	0.01365	0.0001	0.0137
532871.67	4255933.93	7.80978	0.00993	0.00000	0.00003	1.32129E-06	6.17495E-05	0.00993	0.0001	0.0100
532882.16	4255912.94	6.57446	0.00836	0.00000	0.00003	1.32129E-06	6.17495E-05	0.00836	0.0001	0.0084
532899.11	4255889.13	5.27453	0.00671	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00671	0.0000	0.0068
532916.87	4255985.98	6.76764	0.00861	0.00000	0.00003	1.32129E-06	6.17495E-05	0.00861	0.0001	0.0087
532930.18	4255965	5.56481	0.00708	0.00000	0.00003	1.32129E-06	6.17495E-05	0.00708	0.0001	0.0071
532916.46	4255866.54	4.3187	0.00549	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00549	0.0000	0.0055
532930.18	4255845.95	3.67862	0.00468	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00468	0.0000	0.0047
532944.71	4255935.95	4.52295	0.00575	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00575	0.0000	0.0058
532958.43	4255906.08	3.71624	0.00473	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00473	0.0000	0.0048
532970.94	4255886.31	3.20055	0.00407	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00407	0.0000	0.0041
532946.32	4255819.72	3.07688	0.00391	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00391	0.0000	0.0040
532991.12	4255858.46	2.66712	0.00339	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00339	0.0000	0.0034
533010.89	4255843.13	2.31288	0.00294	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00294	0.0000	0.0030
532884.58	4255809.23	3.47061	0.00441	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00441	0.0000	0.0045
532851.89	4255793.49	3.23954	0.00412	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00412	0.0000	0.0042
532824.05	4255791.48	3.37831	0.00430	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00430	0.0000	0.0043
533034.3	4255820.94	1.94361	0.00247	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00247	0.0000	0.0025
533054.47	4255804.39	1.68747	0.00215	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00215	0.0000	0.0022
532909.2	4256052.57	10.92852	0.01390	0.00000	0.00004	1.76172E-06	8.23327E-05	0.01390	0.0001	0.0140
532944.71	4256040.06	6.69087	0.00851	0.00000	0.00003	1.32129E-06	6.17495E-05	0.00851	0.0001	0.0086
532966.5	4256021.09	4.95491	0.00630	0.00000	0.00003	1.32129E-06	6.17495E-05	0.00630	0.0001	0.0064
532997.98	4256021.9	3.80326	0.00484	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00484	0.0000	0.0049
532950.36	4256084.85	8.1959	0.01042	0.00000	0.00004	1.76172E-06	8.23327E-05	0.01043	0.0001	0.0105
532990.71	4256062.25	4.6578	0.00592	0.00000	0.00003	1.32129E-06	6.17495E-05	0.00593	0.0001	0.0060
533036.72	4256020.29	2.68599	0.00342	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00342	0.0000	0.0035
533057.7	4256017.06	2.25263	0.00286	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00287	0.0000	0.0029
533018.96	4255976.7	2.86684	0.00365	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00365	0.0000	0.0037

533047.61	4255967.02	2.24503	0.00286	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00286	0.0000	0.0029
532985.47	4255968.23	3.61029	0.00459	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00459	0.0000	0.0046
533002.01	4255941.59	2.94802	0.00375	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00375	0.0000	0.0038
533019.77	4255916.58	2.45548	0.00312	0.00000	0.00002	8.80859E-07	4.11664E-05	0.00312	0.0000	0.0032
533030.26	4255895.99	2.21511	0.00282	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00282	0.0000	0.0028
533059.72	4255876.22	1.79106	0.00228	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00228	0.0000	0.0023
533068.19	4255956.12	1.90918	0.00243	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00243	0.0000	0.0024
533085.55	4256006.57	1.83908	0.00234	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00234	0.0000	0.0024
533113.79	4255991.23	1.52573	0.00194	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00194	0.0000	0.0020
533090.79	4255942.81	1.64509	0.00209	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00209	0.0000	0.0021
533138.01	4255979.93	1.31388	0.00167	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00167	0.0000	0.0017
533115.01	4255927.07	1.41112	0.00179	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00180	0.0000	0.0018
533156.17	4255967.02	1.1732	0.00149	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00149	0.0000	0.0015
533137.2	4255912.14	1.22955	0.00156	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00156	0.0000	0.0016
532524.44	4256235.64	14.05967	0.01788	0.00000	0.00010	4.40430E-06	2.05832E-04	0.01789	0.0002	0.0181
532509.17	4256223.67	9.06178	0.01152	0.00000	0.00009	3.96387E-06	1.85249E-04	0.01153	0.0002	0.0117
532492.71	4256241.32	6.79059	0.00864	0.00000	0.00009	3.96387E-06	1.85249E-04	0.00864	0.0002	0.0088
532478.35	4256259.28	5.49637	0.00699	0.00000	0.00010	4.40430E-06	2.05832E-04	0.00699	0.0002	0.0072
532464.28	4256274.25	4.57522	0.00582	0.00000	0.00010	4.40430E-06	2.05832E-04	0.00582	0.0002	0.0060
532544.49	4256258.08	21.41621	0.02724	0.00000	0.00014	6.16602E-06	2.88165E-04	0.02724	0.0003	0.0275
532451.71	4256294.9	4.06495	0.00517	0.00000	0.00012	5.28516E-06	2.46998E-04	0.00518	0.0002	0.0054
532437.65	4256313.75	3.56226	0.00453	0.00000	0.00013	5.72559E-06	2.67581E-04	0.00454	0.0003	0.0048
532389.76	4256310.76	1.94798	0.00248	0.00000	0.00009	3.96387E-06	1.85249E-04	0.00248	0.0002	0.0027
532404.75	4256293.03	2.13456	0.00271	0.00000	0.00009	3.96387E-06	1.85249E-04	0.00272	0.0002	0.0029
532175.23	4256196.06	0.25674	0.00033	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00033	0.0000	0.0003
532165.28	4256184.87	0.23795	0.00030	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00030	0.0000	0.0003
532120.55	4256157.12	0.18246	0.00023	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00023	0.0000	0.0003
532513.25	4256183.63	6.28355	0.00799	0.00000	0.00007	3.08301E-06	1.44082E-04	0.00799	0.0001	0.0081
532534.79	4256190.67	16.58418	0.02109	0.00000	0.00008	3.52344E-06	1.64665E-04	0.02110	0.0002	0.0213
532551.36	4256205.17	30.96611	0.03938	0.00000	0.00009	3.96387E-06	1.85249E-04	0.03939	0.0002	0.0396
532567.51	4256226.3	42.70162	0.05431	0.00000	0.00012	5.28516E-06	2.46998E-04	0.05431	0.0002	0.0546
532577.87	4256251.57	45.95827	0.05845	0.00000	0.00016	7.04688E-06	3.29331E-04	0.05846	0.0003	0.0588
532423.77	4256334.42	3.18767	0.00405	0.00000	0.00014	6.16602E-06	2.88165E-04	0.00406	0.0003	0.0043
532306.13	4256321.16	0.89738	0.00114	0.00000	0.00005	2.20215E-06	1.02916E-04	0.00114	0.0001	0.0012
532332.64	4256344.36	1.24842	0.00159	0.00000	0.00008	3.52344E-06	1.64665E-04	0.00159	0.0002	0.0018
532365.78	4256346.43	1.73794	0.00221	0.00000	0.00010	4.40430E-06	2.05832E-04	0.00221	0.0002	0.0024
532374.89	4256332.34	1.81189	0.00230	0.00000	0.00010	4.40430E-06	2.05832E-04	0.00231	0.0002	0.0025
532393.12	4256371.28	2.49739	0.00318	0.00000	0.00016	7.04688E-06	3.29331E-04	0.00318	0.0003	0.0035
532404.72	4256354.71	2.70997	0.00345	0.00000	0.00015	6.60645E-06	3.08748E-04	0.00345	0.0003	0.0038
532556.33	4256278.08	24.69681	0.03141	0.00000	0.00018	7.92774E-06	3.70497E-04	0.03142	0.0004	0.0318
532219.49	4255941.37	0.20735	0.00026	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00026	0.0000	0.0003
532133.49	4256010.18	0.14609	0.00019	0.00000	0.00001	4.40430E-07	2.05832E-05	0.00019	0.0000	0.0002
CONCUNIT ug	/m^3	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000
DEPUNIT g/m	^2	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000

Elnoka Construction DPM Emissions

2023 **No Mitigation** **at Sensitive Receptors**

Annual Emissions 2023 - Phase III

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 4.04E-07 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 0.00E+00 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 1.65E-05 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 6.69E-06 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	3.74611	0.01513	0.00000	0.00008	1.32018E-05	5.35313E-06	0.01515	0.0000	0.0152
532839.56	4256029.53	5.08909	0.02056	0.00000	0.00008	1.32018E-05	5.35313E-06	0.02057	0.0000	0.0206
532820.46	4255995.88	6.0437	0.02442	0.00000	0.00008	1.32018E-05	5.35313E-06	0.02443	0.0000	0.0244
532825.92	4255944.04	4.07816	0.01647	0.00000	0.00006	9.90138E-06	4.01484E-06	0.01648	0.0000	0.0165
532789.54	4255936.77	7.99549	0.03230	0.00000	0.00006	9.90138E-06	4.01484E-06	0.03231	0.0000	0.0323
532768.62	4255908.57	7.11293	0.02873	0.00000	0.00005	8.25115E-06	3.34570E-06	0.02874	0.0000	0.0287
532752.25	4255856.74	3.76277	0.01520	0.00000	0.00003	4.95069E-06	2.00742E-06	0.01521	0.0000	0.0152
532784.99	4255815.81	2.62304	0.01060	0.00000	0.00003	4.95069E-06	2.00742E-06	0.01060	0.0000	0.0106
532752.41	4255882.75	5.04119	0.02037	0.00000	0.00004	6.60092E-06	2.67656E-06	0.02037	0.0000	0.0204
532771.07	4255831.73	3.03134	0.01225	0.00000	0.00003	4.95069E-06	2.00742E-06	0.01225	0.0000	0.0123
532801.39	4255883.33	4.30679	0.01740	0.00000	0.00004	6.60092E-06	2.67656E-06	0.01741	0.0000	0.0174
532815.67	4255858.55	3.17983	0.01285	0.00000	0.00004	6.60092E-06	2.67656E-06	0.01285	0.0000	0.0129
532829.67	4255901.7	3.4276	0.01385	0.00000	0.00005	8.25115E-06	3.34570E-06	0.01386	0.0000	0.0139
532846.58	4255878.38	2.56476	0.01036	0.00000	0.00004	6.60092E-06	2.67656E-06	0.01037	0.0000	0.0104
532864.66	4255855.93	1.98854	0.00803	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00804	0.0000	0.0080
532838.12	4255838.72	2.36845	0.00957	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00957	0.0000	0.0096
532866.42	4255959.35	2.02984	0.00820	0.00000	0.00005	8.25115E-06	3.34570E-06	0.00821	0.0000	0.0082
532871.67	4255990.02	2.20495	0.00891	0.00000	0.00006	9.90138E-06	4.01484E-06	0.00892	0.0000	0.0089
532871.67	4255933.93	1.83185	0.00740	0.00000	0.00005	8.25115E-06	3.34570E-06	0.00741	0.0000	0.0074
532882.16	4255912.94	1.62078	0.00655	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00655	0.0000	0.0066
532899.11	4255889.13	1.32067	0.00534	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00534	0.0000	0.0053
532916.87	4255985.98	1.19217	0.00482	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00482	0.0000	0.0048
532930.18	4255965	0.93006	0.00376	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00376	0.0000	0.0038
532916.46	4255866.54	1.0874	0.00439	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00440	0.0000	0.0044
532930.18	4255845.95	0.94038	0.00380	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00380	0.0000	0.0038
532944.71	4255935.95	0.74571	0.00301	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00302	0.0000	0.0030
532958.43	4255906.08	0.6411	0.00259	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00259	0.0000	0.0026
532970.94	4255886.31	0.57375	0.00232	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00232	0.0000	0.0023
532946.32	4255819.72	0.80257	0.00324	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00325	0.0000	0.0032
532991.12	4255858.46	0.50482	0.00204	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00204	0.0000	0.0020
533010.89	4255843.13	0.44071	0.00178	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00178	0.0000	0.0018
532884.58	4255809.23	1.32373	0.00535	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00535	0.0000	0.0054
532851.89	4255793.49	1.54947	0.00626	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00626	0.0000	0.0063
532824.05	4255791.48	1.92365	0.00777	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00778	0.0000	0.0078
533034.3	4255820.94	0.37809	0.00153	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00153	0.0000	0.0015
533054.47	4255804.39	0.33136	0.00134	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00134	0.0000	0.0013
532909.2	4256052.57	2.04487	0.00826	0.00000	0.00006	9.90138E-06	4.01484E-06	0.00827	0.0000	0.0083
532944.71	4256040.06	1.28868	0.00521	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00521	0.0000	0.0052
532966.5	4256021.09	0.94439	0.00382	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00382	0.0000	0.0038
532997.98	4256021.9	0.75513	0.00305	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00306	0.0000	0.0031
532950.36	4256084.85	1.53842	0.00621	0.00000	0.00005	8.25115E-06	3.34570E-06	0.00622	0.0000	0.0062
532990.71	4256062.25	0.98716	0.00399	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00399	0.0000	0.0040
533036.72	4256020.29	0.56784	0.00229	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00230	0.0000	0.0023
533057.7	4256017.06	0.489	0.00198	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00198	0.0000	0.0020
533018.96	4255976.7	0.51082	0.00206	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00207	0.0000	0.0021

533047.61	4255967.02	0.40619	0.00164	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00164	0.0000	0.0016
532985.47	4255968.23	0.60351	0.00244	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00244	0.0000	0.0024
533002.01	4255941.59	0.47282	0.00191	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00191	0.0000	0.0019
533019.77	4255916.58	0.39028	0.00158	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00158	0.0000	0.0016
533030.26	4255895.99	0.35655	0.00144	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00144	0.0000	0.0014
533059.72	4255876.22	0.29372	0.00119	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00119	0.0000	0.0012
533068.19	4255956.12	0.34534	0.00140	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00140	0.0000	0.0014
533085.55	4256006.57	0.4035	0.00163	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00163	0.0000	0.0016
533113.79	4255991.23	0.33263	0.00134	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00135	0.0000	0.0013
533090.79	4255942.81	0.29684	0.00120	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00120	0.0000	0.0012
533138.01	4255979.93	0.28651	0.00116	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00116	0.0000	0.0012
533115.01	4255927.07	0.25365	0.00102	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00103	0.0000	0.0010
533156.17	4255967.02	0.25247	0.00102	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00102	0.0000	0.0010
533137.2	4255912.14	0.2206	0.00089	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00089	0.0000	0.0009
532524.44	4256235.64	12.443	0.05027	0.00000	0.00011	1.81525E-05	7.36055E-06	0.05029	0.0000	0.0503
532509.17	4256223.67	13.41663	0.05420	0.00000	0.00009	1.48521E-05	6.02227E-06	0.05422	0.0000	0.0542
532492.71	4256241.32	9.16885	0.03704	0.00000	0.00009	1.48521E-05	6.02227E-06	0.03706	0.0000	0.0371
532478.35	4256259.28	6.57461	0.02656	0.00000	0.00009	1.48521E-05	6.02227E-06	0.02657	0.0000	0.0266
532464.28	4256274.25	5.06489	0.02046	0.00000	0.00010	1.65023E-05	6.69141E-06	0.02048	0.0000	0.0205
532544.49	4256258.08	10.17326	0.04110	0.00000	0.00015	2.47534E-05	1.00371E-05	0.04112	0.0000	0.0411
532451.71	4256294.9	3.9383	0.01591	0.00000	0.00011	1.81525E-05	7.36055E-06	0.01593	0.0000	0.0159
532437.65	4256313.75	3.15052	0.01273	0.00000	0.00011	1.81525E-05	7.36055E-06	0.01275	0.0000	0.0128
532389.76	4256310.76	1.99496	0.00806	0.00000	0.00008	1.32018E-05	5.35313E-06	0.00807	0.0000	0.0081
532404.75	4256293.03	2.41609	0.00976	0.00000	0.00008	1.32018E-05	5.35313E-06	0.00977	0.0000	0.0098
532175.23	4256196.06	0.16174	0.00065	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00066	0.0000	0.0007
532165.28	4256184.87	0.14472	0.00058	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00059	0.0000	0.0006
532120.55	4256157.12	0.0995	0.00040	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00040	0.0000	0.0004
532513.25	4256183.63	27.92481	0.11281	0.00000	0.00007	1.15516E-05	4.68399E-06	0.11282	0.0000	0.1128
532534.79	4256190.67	25.84119	0.10439	0.00000	0.00009	1.48521E-05	6.02227E-06	0.10441	0.0000	0.1044
532551.36	4256205.17	20.18632	0.08155	0.00000	0.00011	1.81525E-05	7.36055E-06	0.08157	0.0000	0.0816
532567.51	4256226.3	14.78314	0.05972	0.00000	0.00014	2.31032E-05	9.36797E-06	0.05974	0.0000	0.0598
532577.87	4256251.57	10.94476	0.04421	0.00000	0.00019	3.13544E-05	1.27137E-05	0.04425	0.0000	0.0443
532423.77	4256334.42	2.56945	0.01038	0.00000	0.00012	1.98028E-05	8.02969E-06	0.01040	0.0000	0.0104
532306.13	4256321.16	0.83527	0.00337	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00338	0.0000	0.0034
532332.64	4256344.36	1.10471	0.00446	0.00000	0.00007	1.15516E-05	4.68399E-06	0.00447	0.0000	0.0045
532365.78	4256346.43	1.50004	0.00606	0.00000	0.00009	1.48521E-05	6.02227E-06	0.00607	0.0000	0.0061
532374.89	4256332.34	1.66537	0.00673	0.00000	0.00008	1.32018E-05	5.35313E-06	0.00674	0.0000	0.0067
532393.12	4256371.28	1.78793	0.00722	0.00000	0.00014	2.31032E-05	9.36797E-06	0.00725	0.0000	0.0073
532404.72	4256354.71	2.05466	0.00830	0.00000	0.00013	2.14530E-05	8.69883E-06	0.00832	0.0000	0.0083
532556.33	4256278.08	8.41732	0.03400	0.00000	0.00019	3.13544E-05	1.27137E-05	0.03404	0.0000	0.0340
532219.49	4255941.37	0.09595	0.00039	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00039	0.0000	0.0004
532133.49	4256010.18	0.06887	0.00028	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00028	0.0000	0.0003
532834.4	4256230.11	3.41012	0.01378	0.00000	0.00027	4.45562E-05	1.80668E-05	0.01382	0.0000	0.0138
532856.7	4256218.96	2.97684	0.01203	0.00000	0.00017	2.80539E-05	1.13754E-05	0.01205	0.0000	0.0121
532882.73	4256205.33	2.5204	0.01018	0.00000	0.00011	1.81525E-05	7.36055E-06	0.01020	0.0000	0.0102
532877.77	4256187.98	2.7625	0.01116	0.00000	0.00012	1.98028E-05	8.02969E-06	0.01118	0.0000	0.0112
532841.83	4256204.09	3.57181	0.01443	0.00000	0.00021	3.46548E-05	1.40520E-05	0.01446	0.0000	0.0145
532812.1	4256218.96	4.30082	0.01737	0.00000	0.00043	7.09599E-05	2.87731E-05	0.01745	0.0000	0.0175
532726.6	4256157	13.1272	0.05303	0.00000	0.00127	2.09579E-04	8.49809E-05	0.05324	0.0001	0.0533
532748.9	4256153.28	11.37214	0.04594	0.00000	0.00067	1.10565E-04	4.48324E-05	0.04605	0.0000	0.0461
532768.73	4256137.18	10.79839	0.04362	0.00000	0.00038	6.27087E-05	2.54273E-05	0.04369	0.0000	0.0437
532787.31	4256123.54	9.73124	0.03931	0.00000	0.00026	4.29060E-05	1.73977E-05	0.03936	0.0000	0.0394
532810.86	4256103.72	8.09185	0.03269	0.00000	0.00017	2.80539E-05	1.13754E-05	0.03272	0.0000	0.0327
532799.7	4256081.41	11.18975	0.04520	0.00000	0.00016	2.64037E-05	1.07063E-05	0.04523	0.0000	0.0452
532782.36	4256066.55	16.97457	0.06857	0.00000	0.00016	2.64037E-05	1.07063E-05	0.06860	0.0000	0.0686
532776.16	4256036.81	24.51944	0.09905	0.00000	0.00013	2.14530E-05	8.69883E-06	0.09907	0.0000	0.0991
532746.42	4256055.39	33.02264	0.13340	0.00000	0.00018	2.97041E-05	1.20445E-05	0.13343	0.0000	0.1334
532715.44	4256075.22	37.05851	0.14971	0.00000	0.00030	4.95069E-05	2.00742E-05	0.14976	0.0000	0.1498
532693.14	4256092.57	36.76549	0.14852	0.00000	0.00064	1.05615E-04	4.28250E-05	0.14863	0.0000	0.1487
532709.25	4256142.13	17.19053	0.06945	0.00000	0.00167	2.75588E-04	1.11747E-04	0.06972	0.0001	0.0698

532699.34	4256121.07	23.56018	0.09518	0.00000	0.00133	2.19481E-04	8.89957E-05	0.09540	0.0001	0.0955
CONCUNIT ug	/m^3	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000
DEPUNIT g/m	^2	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000

Elnoka Construction DPM Emissions

2024 **No Mitigation** **at Sensitive Receptors**

Annual Emissions 2024 - Phase IV

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 6.95E-08 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 0.00E+00 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 6.05E-06 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 2.16E-04 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	7.35456	0.00511	0.00000	0.00007	4.23804E-06	1.51480E-04	0.00512	0.0002	0.0053
532839.56	4256029.53	8.95717	0.00623	0.00000	0.00007	4.23804E-06	1.51480E-04	0.00623	0.0002	0.0064
532820.46	4255995.88	10.82925	0.00753	0.00000	0.00007	4.23804E-06	1.51480E-04	0.00753	0.0002	0.0077
532825.92	4255944.04	10.01173	0.00696	0.00000	0.00006	3.63260E-06	1.29840E-04	0.00696	0.0001	0.0071
532789.54	4255936.77	15.28527	0.01062	0.00000	0.00006	3.63260E-06	1.29840E-04	0.01063	0.0001	0.0108
532768.62	4255908.57	19.76583	0.01374	0.00000	0.00006	3.63260E-06	1.29840E-04	0.01374	0.0001	0.0139
532752.25	4255856.74	22.18809	0.01542	0.00000	0.00004	2.42174E-06	8.65600E-05	0.01542	0.0001	0.0155
532784.99	4255815.81	12.13312	0.00843	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00844	0.0001	0.0085
532752.41	4255882.75	24.38603	0.01695	0.00000	0.00005	3.02717E-06	1.08200E-04	0.01695	0.0001	0.0171
532771.07	4255831.73	15.33369	0.01066	0.00000	0.00004	2.42174E-06	8.65600E-05	0.01066	0.0001	0.0107
532801.39	4255883.33	11.62903	0.00808	0.00000	0.00005	3.02717E-06	1.08200E-04	0.00809	0.0001	0.0082
532815.67	4255858.55	9.21101	0.00640	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00640	0.0001	0.0065
532829.67	4255901.7	8.81733	0.00613	0.00000	0.00005	3.02717E-06	1.08200E-04	0.00613	0.0001	0.0062
532846.58	4255878.38	6.99021	0.00486	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00486	0.0001	0.0049
532864.66	4255855.93	5.60586	0.00390	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00390	0.0001	0.0040
532838.12	4255838.72	6.90441	0.00480	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00480	0.0001	0.0049
532866.42	4255959.35	7.01487	0.00488	0.00000	0.00005	3.02717E-06	1.08200E-04	0.00488	0.0001	0.0050
532871.67	4255990.02	6.94421	0.00483	0.00000	0.00005	3.02717E-06	1.08200E-04	0.00483	0.0001	0.0049
532871.67	4255933.93	6.39265	0.00444	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00445	0.0001	0.0045
532882.16	4255912.94	5.54545	0.00385	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00386	0.0001	0.0039
532899.11	4255889.13	4.45201	0.00309	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00310	0.0001	0.0032
532916.87	4255985.98	4.78526	0.00333	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00333	0.0001	0.0034
532930.18	4255965	4.14077	0.00288	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00288	0.0001	0.0029
532916.46	4255866.54	3.60118	0.00250	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00250	0.0001	0.0026
532930.18	4255845.95	3.04573	0.00212	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00212	0.0001	0.0022
532944.71	4255935.95	3.45978	0.00240	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00241	0.0001	0.0025
532958.43	4255906.08	2.85843	0.00199	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00199	0.0000	0.0020
532970.94	4255886.31	2.44703	0.00170	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00170	0.0000	0.0017
532946.32	4255819.72	2.53087	0.00176	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00176	0.0000	0.0018
532991.12	4255858.46	2.00461	0.00139	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00139	0.0000	0.0014
533010.89	4255843.13	1.7171	0.00119	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00119	0.0000	0.0012
532884.58	4255809.23	3.88918	0.00270	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00270	0.0001	0.0028
532851.89	4255793.49	4.95767	0.00345	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00345	0.0001	0.0035
532824.05	4255791.48	7.10115	0.00494	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00494	0.0001	0.0050
533034.3	4255820.94	1.42052	0.00099	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00099	0.0000	0.0010
533054.47	4255804.39	1.21984	0.00085	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00085	0.0000	0.0009
532909.2	4256052.57	5.29957	0.00368	0.00000	0.00005	3.02717E-06	1.08200E-04	0.00369	0.0001	0.0038
532944.71	4256040.06	4.24296	0.00295	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00295	0.0001	0.0030
532966.5	4256021.09	3.66559	0.00255	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00255	0.0001	0.0026
532997.98	4256021.9	3.07142	0.00213	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00214	0.0001	0.0022
532950.36	4256084.85	4.04693	0.00281	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00282	0.0001	0.0029
532990.71	4256062.25	3.26872	0.00227	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00227	0.0001	0.0023
533036.72	4256020.29	2.48973	0.00173	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00173	0.0000	0.0018
533057.7	4256017.06	2.21685	0.00154	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00154	0.0000	0.0016
533018.96	4255976.7	2.47768	0.00172	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00172	0.0000	0.0018

533047.61	4255967.02	2.05662	0.00143	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00143	0.0000	0.0015
532985.47	4255968.23	2.90066	0.00202	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00202	0.0000	0.0021
533002.01	4255941.59	2.40724	0.00167	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00167	0.0000	0.0017
533019.77	4255916.58	1.99585	0.00139	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00139	0.0000	0.0014
533030.26	4255895.99	1.76558	0.00123	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00123	0.0000	0.0013
533059.72	4255876.22	1.42658	0.00099	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00099	0.0000	0.0010
533068.19	4255956.12	1.79863	0.00125	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00125	0.0000	0.0013
533085.55	4256006.57	1.91826	0.00133	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00133	0.0000	0.0014
533113.79	4255991.23	1.65487	0.00115	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00115	0.0000	0.0012
533090.79	4255942.81	1.57576	0.00110	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00110	0.0000	0.0011
533138.01	4255979.93	1.46485	0.00102	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00102	0.0000	0.0010
533115.01	4255927.07	1.36447	0.00095	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00095	0.0000	0.0010
533156.17	4255967.02	1.31961	0.00092	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00092	0.0000	0.0009
533137.2	4255912.14	1.19366	0.00083	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00083	0.0000	0.0009
532524.44	4256235.64	18.43608	0.01281	0.00000	0.00052	3.14826E-05	1.12528E-03	0.01285	0.0011	0.0140
532509.17	4256223.67	20.15705	0.01401	0.00000	0.00070	4.23804E-05	1.51480E-03	0.01405	0.0015	0.0156
532492.71	4256241.32	17.67506	0.01228	0.00000	0.00059	3.57206E-05	1.27676E-03	0.01232	0.0013	0.0136
532478.35	4256259.28	15.35864	0.01067	0.00000	0.00047	2.84554E-05	1.01708E-03	0.01070	0.0010	0.0117
532464.28	4256274.25	13.66701	0.00950	0.00000	0.00038	2.30065E-05	8.22320E-04	0.00952	0.0008	0.0103
532544.49	4256258.08	15.85241	0.01102	0.00000	0.00040	2.42174E-05	8.65600E-04	0.01104	0.0009	0.0119
532451.71	4256294.9	11.85225	0.00824	0.00000	0.00030	1.81630E-05	6.49200E-04	0.00826	0.0006	0.0089
532437.65	4256313.75	10.41598	0.00724	0.00000	0.00025	1.51358E-05	5.41000E-04	0.00725	0.0005	0.0078
532389.76	4256310.76	9.07169	0.00631	0.00000	0.00017	1.02924E-05	3.67880E-04	0.00632	0.0004	0.0067
532404.75	4256293.03	10.32795	0.00718	0.00000	0.00021	1.27141E-05	4.54440E-04	0.00719	0.0005	0.0076
532175.23	4256196.06	3.22055	0.00224	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00224	0.0000	0.0023
532165.28	4256184.87	2.95687	0.00206	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00206	0.0000	0.0021
532120.55	4256157.12	1.97701	0.00137	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00137	0.0000	0.0014
532513.25	4256183.63	27.4338	0.01907	0.00000	0.00145	8.77879E-05	3.13780E-03	0.01916	0.0031	0.0223
532534.79	4256190.67	25.29779	0.01758	0.00000	0.00096	5.81217E-05	2.07744E-03	0.01764	0.0021	0.0197
532551.36	4256205.17	22.22006	0.01544	0.00000	0.00066	3.99586E-05	1.42824E-03	0.01548	0.0014	0.0169
532567.51	4256226.3	18.76083	0.01304	0.00000	0.00048	2.90608E-05	1.03872E-03	0.01307	0.0010	0.0141
532577.87	4256251.57	15.78122	0.01097	0.00000	0.00039	2.36119E-05	8.43960E-04	0.01099	0.0008	0.0118
532423.77	4256334.42	9.14123	0.00635	0.00000	0.00021	1.27141E-05	4.54440E-04	0.00637	0.0005	0.0068
532306.13	4256321.16	6.11688	0.00425	0.00000	0.00007	4.23804E-06	1.51480E-04	0.00426	0.0002	0.0044
532332.64	4256344.36	6.40436	0.00445	0.00000	0.00010	6.05434E-06	2.16400E-04	0.00446	0.0002	0.0047
532365.78	4256346.43	7.2271	0.00502	0.00000	0.00013	7.87064E-06	2.81320E-04	0.00503	0.0003	0.0053
532374.89	4256332.34	7.8804	0.00548	0.00000	0.00014	8.47608E-06	3.02960E-04	0.00549	0.0003	0.0058
532393.12	4256371.28	7.20518	0.00501	0.00000	0.00017	1.02924E-05	3.67880E-04	0.00502	0.0004	0.0054
532404.72	4256354.71	7.95977	0.00553	0.00000	0.00018	1.08978E-05	3.89520E-04	0.00554	0.0004	0.0059
532556.33	4256278.08	13.95972	0.00970	0.00000	0.00035	2.11902E-05	7.57400E-04	0.00972	0.0008	0.0105
532219.49	4255941.37	2.27295	0.00158	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00158	0.0000	0.0016
532133.49	4256010.18	1.36268	0.00095	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00095	0.0000	0.0010
532834.4	4256230.11	5.87215	0.00408	0.00000	0.00021	1.27141E-05	4.54440E-04	0.00409	0.0005	0.0045
532856.7	4256218.96	5.41046	0.00376	0.00000	0.00014	8.47608E-06	3.02960E-04	0.00377	0.0003	0.0041
532882.73	4256205.33	4.9049	0.00341	0.00000	0.00010	6.05434E-06	2.16400E-04	0.00342	0.0002	0.0036
532877.77	4256187.98	5.2136	0.00362	0.00000	0.00010	6.05434E-06	2.16400E-04	0.00363	0.0002	0.0038
532841.83	4256204.09	6.06334	0.00421	0.00000	0.00017	1.02924E-05	3.67880E-04	0.00422	0.0004	0.0046
532812.1	4256218.96	6.80713	0.00473	0.00000	0.00031	1.87685E-05	6.70840E-04	0.00475	0.0007	0.0054
532726.6	4256157	14.02802	0.00975	0.00000	0.00079	4.78293E-05	1.70956E-03	0.00980	0.0017	0.0115
532748.9	4256153.28	12.37852	0.00860	0.00000	0.00047	2.84554E-05	1.01708E-03	0.00863	0.0010	0.0096
532768.73	4256137.18	11.50276	0.00799	0.00000	0.00030	1.81630E-05	6.49200E-04	0.00801	0.0006	0.0087
532787.31	4256123.54	10.54844	0.00733	0.00000	0.00021	1.27141E-05	4.54440E-04	0.00734	0.0005	0.0078
532810.86	4256103.72	9.44629	0.00657	0.00000	0.00014	8.47608E-06	3.02960E-04	0.00657	0.0003	0.0069
532799.7	4256081.41	10.99757	0.00764	0.00000	0.00013	7.87064E-06	2.81320E-04	0.00765	0.0003	0.0079
532782.36	4256066.55	13.34468	0.00927	0.00000	0.00014	8.47608E-06	3.02960E-04	0.00928	0.0003	0.0096
532776.16	4256036.81	15.66416	0.01089	0.00000	0.00012	7.26521E-06	2.59680E-04	0.01089	0.0003	0.0112
532746.42	4256055.39	19.86505	0.01381	0.00000	0.00016	9.68694E-06	3.46240E-04	0.01382	0.0003	0.0142
532715.44	4256075.22	23.57527	0.01639	0.00000	0.00028	1.69522E-05	6.05920E-04	0.01640	0.0006	0.0170
532693.14	4256092.57	25.181	0.01750	0.00000	0.00055	3.32989E-05	1.19020E-03	0.01753	0.0012	0.0187
532709.25	4256142.13	16.75921	0.01165	0.00000	0.00098	5.93325E-05	2.12072E-03	0.01171	0.0021	0.0138

532699.34	4256121.07	20.05697	0.01394	0.00000	0.00085	5.14619E-05	1.83940E-03	0.01399	0.0018	0.0158
532756.85	4255990.46	23.69291	0.01647	0.00000	0.00010	6.05434E-06	2.16400E-04	0.01647	0.0002	0.0167
532737.31	4255956.13	39.96901	0.02778	0.00000	0.00008	4.84347E-06	1.73120E-04	0.02778	0.0002	0.0280
532739.68	4256007.03	27.87217	0.01937	0.00000	0.00012	7.26521E-06	2.59680E-04	0.01938	0.0003	0.0196
532707.13	4255970.93	61.49522	0.04274	0.00000	0.00010	6.05434E-06	2.16400E-04	0.04275	0.0002	0.0430
532687	4255986.91	69.56247	0.04835	0.00000	0.00011	6.65977E-06	2.38040E-04	0.04835	0.0002	0.0486
532663.33	4256007.03	75.22729	0.05229	0.00000	0.00015	9.08151E-06	3.24600E-04	0.05229	0.0003	0.0526
532643.2	4256024.2	76.98173	0.05350	0.00000	0.00018	1.08978E-05	3.89520E-04	0.05352	0.0004	0.0539
532622.49	4256040.77	77.52089	0.05388	0.00000	0.00020	1.21087E-05	4.32800E-04	0.05389	0.0004	0.0543
532597.04	4256054.38	78.18621	0.05434	0.00000	0.00022	1.33195E-05	4.76080E-04	0.05436	0.0005	0.0548
532571.59	4256061.49	84.35243	0.05863	0.00000	0.00020	1.21087E-05	4.32800E-04	0.05864	0.0004	0.0591
532536.67	4256078.06	82.43502	0.05729	0.00000	0.00019	1.15032E-05	4.11160E-04	0.05731	0.0004	0.0577
532501.15	4256097	74.23109	0.05159	0.00000	0.00020	1.21087E-05	4.32800E-04	0.05161	0.0004	0.0520
532489.32	4256120.08	55.32819	0.03845	0.00000	0.00028	1.69522E-05	6.05920E-04	0.03847	0.0006	0.0391
532499.97	4256141.98	41.7219	0.02900	0.00000	0.00053	3.20880E-05	1.14692E-03	0.02903	0.0011	0.0302
532511.22	4256140.2	42.06611	0.02924	0.00000	0.00061	3.69315E-05	1.32004E-03	0.02927	0.0013	0.0306
532530.82	4256123.84	47.97353	0.03334	0.00000	0.00051	3.08771E-05	1.10364E-03	0.03337	0.0011	0.0345
532551.53	4256111.32	51.09393	0.03551	0.00000	0.00050	3.02717E-05	1.08200E-03	0.03554	0.0011	0.0366
532575.21	4256090.96	57.53096	0.03999	0.00000	0.00039	2.36119E-05	8.43960E-04	0.04001	0.0008	0.0409
532604.8	4256074.32	58.19081	0.04044	0.00000	0.00038	2.30065E-05	8.22320E-04	0.04047	0.0008	0.0413
532648.3	4256054.3	50.94884	0.03541	0.00000	0.00036	2.17956E-05	7.79040E-04	0.03543	0.0008	0.0362
532685.23	4256040.18	41.57207	0.02889	0.00000	0.00023	1.39250E-05	4.97720E-04	0.02891	0.0005	0.0294
532708.31	4256027.16	36.38113	0.02529	0.00000	0.00017	1.02924E-05	3.67880E-04	0.02530	0.0004	0.0257
CONCUNIT ug	/m^3	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000
DEPUNIT g/m	^2	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000
								0.00000	0.0000	0.0000

Elnoka Construction DPM Emissions

2025 **No Mitigation** **at Sensitive Receptors**

Annual Emissions 2025 - Phase V

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 1.13E-07 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 0.00E+00 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 5.03E-06 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 1.83E-04 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	0.71357	0.00081	0.00000	0.00007	3.51811E-06	1.27852E-04	0.00081	0.0001	0.0009
532839.56	4256029.53	0.76057	0.00086	0.00000	0.00008	4.02070E-06	1.46117E-04	0.00087	0.0001	0.0010
532820.46	4255995.88	0.80053	0.00091	0.00000	0.00008	4.02070E-06	1.46117E-04	0.00091	0.0001	0.0011
532825.92	4255944.04	0.74039	0.00084	0.00000	0.00006	3.01553E-06	1.09588E-04	0.00084	0.0001	0.0010
532789.54	4255936.77	0.89294	0.00101	0.00000	0.00007	3.51811E-06	1.27852E-04	0.00102	0.0001	0.0011
532768.62	4255908.57	0.98946	0.00112	0.00000	0.00006	3.01553E-06	1.09588E-04	0.00112	0.0001	0.0012
532752.25	4255856.74	1.105	0.00125	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00125	0.0001	0.0013
532784.99	4255815.81	0.93898	0.00106	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00107	0.0001	0.0011
532752.41	4255882.75	1.09301	0.00124	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00124	0.0001	0.0013
532771.07	4255831.73	1.00631	0.00114	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00114	0.0001	0.0012
532801.39	4255883.33	0.8336	0.00094	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00095	0.0001	0.0010
532815.67	4255858.55	0.78045	0.00088	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00089	0.0001	0.0010
532829.67	4255901.7	0.71694	0.00081	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00082	0.0001	0.0009
532846.58	4255878.38	0.66213	0.00075	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00075	0.0001	0.0008
532864.66	4255855.93	0.61339	0.00070	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00070	0.0001	0.0008
532838.12	4255838.72	0.70214	0.00080	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00080	0.0001	0.0009
532866.42	4255959.35	0.60322	0.00068	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00069	0.0001	0.0008
532871.67	4255990.02	0.60559	0.00069	0.00000	0.00006	3.01553E-06	1.09588E-04	0.00069	0.0001	0.0008
532871.67	4255933.93	0.58024	0.00066	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00066	0.0001	0.0008
532882.16	4255912.94	0.55128	0.00062	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00063	0.0001	0.0007
532899.11	4255889.13	0.5064	0.00057	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00058	0.0001	0.0006
532916.87	4255985.98	0.48276	0.00055	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00055	0.0001	0.0006
532930.18	4255965	0.442	0.00050	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00050	0.0001	0.0006
532916.46	4255866.54	0.46617	0.00053	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00053	0.0001	0.0006
532930.18	4255845.95	0.43788	0.00050	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00050	0.0001	0.0006
532944.71	4255935.95	0.40377	0.00046	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00046	0.0001	0.0005
532958.43	4255906.08	0.37213	0.00042	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00042	0.0001	0.0005
532970.94	4255886.31	0.34815	0.00039	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00040	0.0000	0.0004
532946.32	4255819.72	0.40968	0.00046	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00047	0.0000	0.0005
532991.12	4255858.46	0.32218	0.00037	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00037	0.0000	0.0004
533010.89	4255843.13	0.29871	0.00034	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00034	0.0000	0.0004
532884.58	4255809.23	0.54164	0.00061	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00062	0.0001	0.0007
532851.89	4255793.49	0.63271	0.00072	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00072	0.0001	0.0008
532824.05	4255791.48	0.76207	0.00086	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00087	0.0001	0.0009
533034.3	4255820.94	0.27322	0.00031	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00031	0.0000	0.0003
533054.47	4255804.39	0.25281	0.00029	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00029	0.0000	0.0003
532909.2	4256052.57	0.59059	0.00067	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00067	0.0001	0.0008
532944.71	4256040.06	0.49036	0.00056	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00056	0.0001	0.0006
532966.5	4256021.09	0.42974	0.00049	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00049	0.0001	0.0005
532997.98	4256021.9	0.39064	0.00044	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00044	0.0001	0.0005
532950.36	4256084.85	0.55901	0.00063	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00064	0.0001	0.0007
532990.71	4256062.25	0.45002	0.00051	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00051	0.0001	0.0006
533036.72	4256020.29	0.34148	0.00039	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00039	0.0000	0.0004
533057.7	4256017.06	0.31698	0.00036	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00036	0.0000	0.0004
533018.96	4255976.7	0.32747	0.00037	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00037	0.0000	0.0004

533047.61	4255967.02	0.29111	0.00033	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00033	0.0000	0.0004
532985.47	4255968.23	0.35836	0.00041	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00041	0.0001	0.0005
533002.01	4255941.59	0.32041	0.00036	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00036	0.0000	0.0004
533019.77	4255916.58	0.28961	0.00033	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00033	0.0000	0.0004
533030.26	4255895.99	0.27408	0.00031	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00031	0.0000	0.0003
533059.72	4255876.22	0.24387	0.00028	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00028	0.0000	0.0003
533068.19	4255956.12	0.26729	0.00030	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00030	0.0000	0.0003
533085.55	4256006.57	0.28761	0.00033	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00033	0.0000	0.0004
533113.79	4255991.23	0.26	0.00029	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00030	0.0000	0.0003
533090.79	4255942.81	0.24659	0.00028	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00028	0.0000	0.0003
533138.01	4255979.93	0.23971	0.00027	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00027	0.0000	0.0003
533115.01	4255927.07	0.22598	0.00026	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00026	0.0000	0.0003
533156.17	4255967.02	0.22326	0.00025	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00025	0.0000	0.0003
533137.2	4255912.14	0.20833	0.00024	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00024	0.0000	0.0003
532524.44	4256235.64	15.81572	0.01792	0.00000	0.00029	1.45750E-05	5.29674E-04	0.01794	0.0005	0.0185
532509.17	4256223.67	21.29159	0.02413	0.00000	0.00027	1.35699E-05	4.93144E-04	0.02414	0.0005	0.0246
532492.71	4256241.32	24.48958	0.02776	0.00000	0.00019	9.54917E-06	3.47028E-04	0.02776	0.0003	0.0281
532478.35	4256259.28	25.18163	0.02854	0.00000	0.00016	8.04141E-06	2.92234E-04	0.02855	0.0003	0.0288
532464.28	4256274.25	25.84311	0.02929	0.00000	0.00014	7.03623E-06	2.55705E-04	0.02930	0.0003	0.0296
532544.49	4256258.08	11.48073	0.01301	0.00000	0.00029	1.45750E-05	5.29674E-04	0.01303	0.0005	0.0136
532451.71	4256294.9	24.37509	0.02763	0.00000	0.00013	6.53364E-06	2.37440E-04	0.02763	0.0002	0.0279
532437.65	4256313.75	23.34744	0.02646	0.00000	0.00013	6.53364E-06	2.37440E-04	0.02647	0.0002	0.0267
532389.76	4256310.76	32.44966	0.03678	0.00000	0.00008	4.02070E-06	1.46117E-04	0.03678	0.0001	0.0369
532404.75	4256293.03	34.9611	0.03962	0.00000	0.00009	4.52329E-06	1.64381E-04	0.03963	0.0002	0.0398
532175.23	4256196.06	12.39141	0.01404	0.00000	0.00001	5.02588E-07	1.82646E-05	0.01404	0.0000	0.0141
532165.28	4256184.87	9.78755	0.01109	0.00000	0.00001	5.02588E-07	1.82646E-05	0.01109	0.0000	0.0111
532120.55	4256157.12	3.00527	0.00341	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00341	0.0000	0.0034
532513.25	4256183.63	22.26592	0.02523	0.00000	0.00052	2.61346E-05	9.49760E-04	0.02526	0.0009	0.0262
532534.79	4256190.67	14.86596	0.01685	0.00000	0.00069	3.46786E-05	1.26026E-03	0.01688	0.0013	0.0181
532551.36	4256205.17	11.64135	0.01319	0.00000	0.00054	2.71397E-05	9.86289E-04	0.01322	0.0010	0.0142
532567.51	4256226.3	9.40536	0.01066	0.00000	0.00041	2.06061E-05	7.48849E-04	0.01068	0.0007	0.0114
532577.87	4256251.57	8.17114	0.00926	0.00000	0.00035	1.75906E-05	6.39261E-04	0.00928	0.0006	0.0099
532423.77	4256334.42	21.77567	0.02468	0.00000	0.00013	6.53364E-06	2.37440E-04	0.02469	0.0002	0.0249
532306.13	4256321.16	33.85723	0.03837	0.00000	0.00005	2.51294E-06	9.13230E-05	0.03837	0.0001	0.0385
532332.64	4256344.36	27.42927	0.03109	0.00000	0.00006	3.01553E-06	1.09588E-04	0.03109	0.0001	0.0312
532365.78	4256346.43	25.48959	0.02889	0.00000	0.00009	4.52329E-06	1.64381E-04	0.02889	0.0002	0.0291
532374.89	4256332.34	28.27475	0.03205	0.00000	0.00008	4.02070E-06	1.46117E-04	0.03205	0.0001	0.0322
532393.12	4256371.28	18.92774	0.02145	0.00000	0.00013	6.53364E-06	2.37440E-04	0.02146	0.0002	0.0217
532404.72	4256354.71	20.57136	0.02331	0.00000	0.00012	6.03105E-06	2.19175E-04	0.02332	0.0002	0.0235
532556.33	4256278.08	9.53705	0.01081	0.00000	0.00029	1.45750E-05	5.29674E-04	0.01082	0.0005	0.0114
532219.49	4255941.37	2.98796	0.00339	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00339	0.0000	0.0034
532133.49	4256010.18	1.315	0.00149	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00149	0.0000	0.0015
532834.4	4256230.11	1.27371	0.00144	0.00000	0.00024	1.20621E-05	4.38351E-04	0.00146	0.0004	0.0019
532856.7	4256218.96	1.11643	0.00127	0.00000	0.00016	8.04141E-06	2.92234E-04	0.00127	0.0003	0.0016
532882.73	4256205.33	0.96175	0.00109	0.00000	0.00011	5.52847E-06	2.00911E-04	0.00110	0.0002	0.0013
532877.77	4256187.98	0.95099	0.00108	0.00000	0.00011	5.52847E-06	2.00911E-04	0.00108	0.0002	0.0013
532841.83	4256204.09	1.16861	0.00132	0.00000	0.00019	9.54917E-06	3.47028E-04	0.00133	0.0003	0.0017
532812.1	4256218.96	1.404	0.00159	0.00000	0.00036	1.80932E-05	6.57526E-04	0.00161	0.0007	0.0023
532726.6	4256157	2.01718	0.00229	0.00000	0.00091	4.57355E-05	1.66208E-03	0.00233	0.0017	0.0040
532748.9	4256153.28	1.73398	0.00197	0.00000	0.00054	2.71397E-05	9.86289E-04	0.00199	0.0010	0.0030
532768.73	4256137.18	1.47394	0.00167	0.00000	0.00034	1.70880E-05	6.20997E-04	0.00169	0.0006	0.0023
532787.31	4256123.54	1.27957	0.00145	0.00000	0.00024	1.20621E-05	4.38351E-04	0.00146	0.0004	0.0019
532810.86	4256103.72	1.07267	0.00122	0.00000	0.00016	8.04141E-06	2.92234E-04	0.00122	0.0003	0.0015
532799.7	4256081.41	1.07224	0.00122	0.00000	0.00015	7.53882E-06	2.73969E-04	0.00122	0.0003	0.0015
532782.36	4256066.55	1.12893	0.00128	0.00000	0.00015	7.53882E-06	2.73969E-04	0.00129	0.0003	0.0016
532776.16	4256036.81	1.07989	0.00122	0.00000	0.00013	6.53364E-06	2.37440E-04	0.00123	0.0002	0.0015
532746.42	4256055.39	1.32208	0.00150	0.00000	0.00018	9.04658E-06	3.28763E-04	0.00151	0.0003	0.0018
532715.44	4256075.22	1.70791	0.00194	0.00000	0.00032	1.60828E-05	5.84468E-04	0.00195	0.0006	0.0025
532693.14	4256092.57	2.09641	0.00238	0.00000	0.00063	3.16630E-05	1.15067E-03	0.00241	0.0012	0.0036
532709.25	4256142.13	2.16813	0.00246	0.00000	0.00113	5.67924E-05	2.06390E-03	0.00251	0.0021	0.0046

532699.34	4256121.07	2.17906	0.00247	0.00000	0.00098	4.92536E-05	1.78993E-03	0.00252	0.0018	0.0043
532756.85	4255990.46	1.10428	0.00125	0.00000	0.00010	5.02588E-06	1.82646E-04	0.00126	0.0002	0.0014
532737.31	4255956.13	1.18665	0.00134	0.00000	0.00008	4.02070E-06	1.46117E-04	0.00135	0.0001	0.0015
532739.68	4256007.03	1.2475	0.00141	0.00000	0.00013	6.53364E-06	2.37440E-04	0.00142	0.0002	0.0017
532707.13	4255970.93	1.43256	0.00162	0.00000	0.00010	5.02588E-06	1.82646E-04	0.00163	0.0002	0.0018
532687	4255986.91	1.66389	0.00189	0.00000	0.00012	6.03105E-06	2.19175E-04	0.00189	0.0002	0.0021
532663.33	4256007.03	2.01424	0.00228	0.00000	0.00015	7.53882E-06	2.73969E-04	0.00229	0.0003	0.0026
532643.2	4256024.2	2.41846	0.00274	0.00000	0.00018	9.04658E-06	3.28763E-04	0.00275	0.0003	0.0031
532622.49	4256040.77	2.96297	0.00336	0.00000	0.00021	1.05543E-05	3.83557E-04	0.00337	0.0004	0.0038
532597.04	4256054.38	3.95178	0.00448	0.00000	0.00022	1.10569E-05	4.01821E-04	0.00449	0.0004	0.0049
532571.59	4256061.49	5.27028	0.00597	0.00000	0.00018	9.04658E-06	3.28763E-04	0.00598	0.0003	0.0063
532536.67	4256078.06	8.68327	0.00984	0.00000	0.00013	6.53364E-06	2.37440E-04	0.00985	0.0002	0.0101
532501.15	4256097	16.5232	0.01873	0.00000	0.00009	4.52329E-06	1.64381E-04	0.01873	0.0002	0.0189
532489.32	4256120.08	25.61504	0.02903	0.00000	0.00010	5.02588E-06	1.82646E-04	0.02904	0.0002	0.0292
532499.97	4256141.98	24.74772	0.02805	0.00000	0.00018	9.04658E-06	3.28763E-04	0.02806	0.0003	0.0284
532511.22	4256140.2	19.01712	0.02155	0.00000	0.00028	1.40725E-05	5.11409E-04	0.02157	0.0005	0.0221
532530.82	4256123.84	12.31184	0.01395	0.00000	0.00038	1.90983E-05	6.94055E-04	0.01397	0.0007	0.0147
532551.53	4256111.32	8.49261	0.00963	0.00000	0.00045	2.26165E-05	8.21907E-04	0.00965	0.0008	0.0105
532575.21	4256090.96	5.75667	0.00652	0.00000	0.00039	1.96009E-05	7.12320E-04	0.00654	0.0007	0.0073
532604.8	4256074.32	3.93035	0.00445	0.00000	0.00040	2.01035E-05	7.30584E-04	0.00447	0.0007	0.0052
532648.3	4256054.3	2.54624	0.00289	0.00000	0.00040	2.01035E-05	7.30584E-04	0.00291	0.0007	0.0036
532685.23	4256040.18	1.86252	0.00211	0.00000	0.00026	1.30673E-05	4.74880E-04	0.00212	0.0005	0.0026
532708.31	4256027.16	1.54965	0.00176	0.00000	0.00018	9.04658E-06	3.28763E-04	0.00177	0.0003	0.0021
532560.39	4255753.8	2.78138	0.00315	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00315	0.0000	0.0032
532538.78	4255727.86	2.70364	0.00306	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00306	0.0000	0.0031
532492.68	4255784.05	3.84164	0.00435	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00435	0.0000	0.0044
532391.83	4255828.71	5.30576	0.00601	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00601	0.0000	0.0060
532435.05	4255808.54	4.76451	0.00540	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00540	0.0000	0.0054
532492.68	4255748.03	3.24	0.00367	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00367	0.0000	0.0037
532678.53	4255861.85	1.69172	0.00192	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00192	0.0001	0.0020
532643.96	4255815.75	2.1979	0.00249	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00249	0.0001	0.0025
532589.21	4255838.8	3.19501	0.00362	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00362	0.0001	0.0037
532618.02	4255896.43	2.5072	0.00284	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00284	0.0001	0.0029
532582	4255932.45	3.21235	0.00364	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00364	0.0001	0.0037
532548.87	4255943.97	4.15903	0.00471	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00472	0.0001	0.0048
532498.44	4255961.26	6.35284	0.00720	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00720	0.0001	0.0073
532452.34	4255982.87	10.52187	0.01192	0.00000	0.00002	1.00518E-06	3.65292E-05	0.01193	0.0000	0.0120
532400.47	4255931.01	15.93949	0.01806	0.00000	0.00002	1.00518E-06	3.65292E-05	0.01807	0.0000	0.0181
532455.22	4255923.8	9.40153	0.01066	0.00000	0.00002	1.00518E-06	3.65292E-05	0.01066	0.0000	0.0107
532491.24	4255905.07	6.56528	0.00744	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00744	0.0000	0.0075
532518.61	4255887.79	5.39472	0.00611	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00612	0.0001	0.0062
532547.43	4255867.61	4.35347	0.00493	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00494	0.0001	0.0050
CONCUNIT ug	/m^3	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000
DEPUNIT g/m	^2	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000

Elnoka Construction DPM Emissions

Infant

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Year	Unit DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
3rd Trimester	1	10	361	0.85	0.25	11.6
1	1	10	1090	0.85	1	139.6
2	1	10	1090	0.85	1	139.6

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

Elnoka Construction DPM Emissions **at Sensitive Receptors** Tier IV for Phase I and no mitigations for other Phases

Cancer Risks - Infants

Estimated Cancer Risks from Construction DPM - Infant Receptors

Scenario 1

X (m)	Y (m)	Infant Cancer Risk (3rd Trimester) 2020 (/million)	Infant Cancer Risk (year 1) 2020 (/million)	Infant Cancer Risk (year 2) 2021 (/million)	Child Cancer Risk (year 1) 2022 (/million)	Child Cancer Risk (year 2) 2023 (/million)	Child Cancer Risk (year 3) 2024 (/million)	Child Cancer Risk (year 4) 2025 (/million)	Total Cancer Risk (/million)
532862.29	4256047.72	0.335	4.049	2.138	0.44	0.28	0.10	0.02	7.35
532839.56	4256029.53	0.386	4.657	2.459	0.48	0.38	0.12	0.02	8.50
532820.46	4255995.88	0.398	4.809	2.538	0.44	0.45	0.14	0.02	8.80
532825.92	4255944.04	0.277	3.346	1.766	0.26	0.31	0.13	0.02	6.10
532789.54	4255936.77	0.362	4.368	2.305	0.24	0.60	0.20	0.02	8.10
532768.62	4255908.57	0.352	4.249	2.242	0.16	0.54	0.26	0.02	7.82
532752.25	4255856.74	0.304	3.673	1.938	0.10	0.28	0.29	0.02	6.61
532784.99	4255815.81	0.202	2.436	1.286	0.09	0.20	0.16	0.02	4.39
532752.41	4255882.75	0.348	4.198	2.215	0.12	0.38	0.32	0.02	7.60
532771.07	4255831.73	0.237	2.858	1.509	0.09	0.23	0.20	0.02	5.14
532801.39	4255883.33	0.241	2.906	1.534	0.15	0.32	0.15	0.02	5.32
532815.67	4255858.55	0.196	2.362	1.247	0.12	0.24	0.12	0.02	4.30
532829.67	4255901.7	0.215	2.595	1.370	0.17	0.26	0.11	0.02	4.74
532846.58	4255878.38	0.174	2.096	1.107	0.14	0.19	0.09	0.01	3.82
532864.66	4255855.93	0.143	1.733	0.915	0.12	0.15	0.07	0.01	3.15
532838.12	4255838.72	0.157	1.900	1.003	0.11	0.18	0.09	0.01	3.45
532866.42	4255959.35	0.207	2.505	1.323	0.22	0.15	0.09	0.01	4.51
532871.67	4255990.02	0.225	2.718	1.436	0.25	0.17	0.09	0.01	4.90
532871.67	4255933.93	0.179	2.165	1.143	0.18	0.14	0.08	0.01	3.91
532882.16	4255912.94	0.154	1.863	0.984	0.16	0.12	0.07	0.01	3.36
532899.11	4255889.13	0.125	1.514	0.799	0.12	0.10	0.06	0.01	2.73
532916.87	4255985.98	0.145	1.755	0.927	0.16	0.09	0.06	0.01	3.15
532930.18	4255965	0.122	1.470	0.777	0.13	0.07	0.05	0.01	2.63
532916.46	4255866.54	0.103	1.249	0.660	0.10	0.08	0.05	0.01	2.25
532930.18	4255845.95	0.089	1.074	0.568	0.09	0.07	0.04	0.01	1.94
532944.71	4255935.95	0.100	1.211	0.640	0.11	0.06	0.04	0.01	2.17
532958.43	4255906.08	0.083	1.007	0.532	0.09	0.05	0.04	0.01	1.80
532970.94	4255886.31	0.072	0.874	0.462	0.08	0.04	0.03	0.01	1.57
532946.32	4255819.72	0.075	0.910	0.481	0.07	0.06	0.03	0.01	1.64
532991.12	4255858.46	0.061	0.735	0.389	0.06	0.04	0.03	0.01	1.32
533010.89	4255843.13	0.053	0.640	0.338	0.05	0.03	0.02	0.01	1.15
532884.58	4255809.23	0.101	1.222	0.646	0.08	0.10	0.05	0.01	2.21
532851.89	4255793.49	0.113	1.368	0.723	0.08	0.12	0.06	0.01	2.47
532824.05	4255791.48	0.142	1.712	0.904	0.08	0.14	0.09	0.02	3.09
533034.3	4255820.94	0.045	0.541	0.286	0.05	0.03	0.02	0.01	0.97
533054.47	4255804.39	0.039	0.473	0.250	0.04	0.02	0.02	0.01	0.85
532909.2	4256052.57	0.211	2.547	1.345	0.26	0.15	0.07	0.01	4.60
532944.71	4256040.06	0.142	1.711	0.904	0.16	0.10	0.05	0.01	3.08
532966.5	4256021.09	0.111	1.337	0.706	0.12	0.07	0.05	0.01	2.40
532997.98	4256021.9	0.089	1.080	0.571	0.09	0.06	0.04	0.01	1.94
532950.36	4256084.85	0.163	1.973	1.042	0.19	0.12	0.05	0.01	3.55
532990.71	4256062.25	0.106	1.283	0.678	0.11	0.07	0.04	0.01	2.30
533036.72	4256020.29	0.068	0.820	0.434	0.06	0.04	0.03	0.01	1.47
533057.7	4256017.06	0.059	0.712	0.376	0.05	0.04	0.03	0.01	1.27
533018.96	4255976.7	0.069	0.830	0.439	0.07	0.04	0.03	0.01	1.48
533047.61	4255967.02	0.056	0.672	0.355	0.05	0.03	0.03	0.01	1.20
532985.47	4255968.23	0.083	0.999	0.528	0.09	0.05	0.04	0.01	1.79
533002.01	4255941.59	0.068	0.823	0.435	0.07	0.04	0.03	0.01	1.47
533019.77	4255916.58	0.057	0.688	0.364	0.06	0.03	0.03	0.01	1.23
533030.26	4255895.99	0.051	0.618	0.327	0.05	0.03	0.02	0.01	1.10
533059.72	4255876.22	0.042	0.506	0.267	0.04	0.02	0.02	0.01	0.90
533068.19	4255956.12	0.048	0.582	0.308	0.05	0.03	0.02	0.01	1.04
533085.55	4256006.57	0.050	0.601	0.318	0.04	0.03	0.02	0.01	1.07
533113.79	4255991.23	0.042	0.510	0.270	0.04	0.03	0.02	0.01	0.91
533090.79	4255942.81	0.042	0.508	0.268	0.04	0.02	0.02	0.01	0.91
533138.01	4255979.93	0.037	0.448	0.237	0.03	0.02	0.02	0.01	0.80
533115.01	4255927.07	0.036	0.440	0.233	0.03	0.02	0.02	0.00	0.78
533156.17	4255967.02	0.033	0.403	0.213	0.03	0.02	0.02	0.00	0.72
533137.2	4255912.14	0.032	0.386	0.204	0.03	0.02	0.02	0.00	0.69
532524.44	4256235.64	0.774	9.348	4.935	0.33	0.94	0.24	0.33	16.90
532509.17	4256223.67	0.856	10.341	5.459	0.21	1.01	0.26	0.45	18.59
532492.71	4256241.32	0.800	9.658	5.099	0.16	0.69	0.23	0.52	17.15
532478.35	4256259.28	0.726	8.772	4.632	0.13	0.49	0.20	0.53	15.49
532464.28	4256274.25	0.676	8.159	4.309	0.11	0.38	0.18	0.55	14.36
532544.49	4256258.08	0.687	8.300	4.385	0.51	0.77	0.21	0.24	15.09
532451.71	4256294.9	0.601	7.256	3.834	0.10	0.30	0.15	0.51	12.75
532437.65	4256313.75	0.545	6.582	3.478	0.08	0.24	0.14	0.49	11.55
532389.76	4256310.76	0.620	7.486	3.953	0.05	0.15	0.12	0.68	13.06
532404.75	4256293.03	0.685	8.273	4.368	0.05	0.18	0.13	0.74	14.43
532175.23	4256196.06	0.221	2.672	1.410	0.01	0.01	0.04	0.26	4.62
532165.28	4256184.87	0.181	2.186	1.153	0.01	0.01	0.04	0.21	3.78
532120.55	4256157.12	0.069	0.837	0.442	0.00	0.01	0.03	0.06	1.45
532513.25	4256183.63	1.112	13.433	7.088	0.15	2.10	0.36	0.47	24.71
532534.79	4256190.67	1.009	12.184	6.430	0.39	1.94	0.33	0.31	22.60
532551.36	4256205.17	0.930	11.236	5.931	0.73	1.52	0.29	0.25	20.88
532567.51	4256226.3	0.887	10.716	5.658	1.01	1.11	0.24	0.20	19.83
532577.87	4256251.57	0.828	9.998	5.281	1.09	0.82	0.20	0.17	18.40
532423.77	4256334.42	0.489	5.902	3.120	0.08	0.19	0.12	0.46	10.36
532306.13	4256321.16	0.555	6.706	3.539	0.02	0.06	0.08	0.71	11.68
532332.64	4256344.36	0.484	5.843	3.086	0.03	0.08	0.08	0.58	10.19
532365.78	4256346.43	0.481	5.812	3.071	0.04	0.11	0.09	0.54	10.15
532374.89	4256332.34	0.534	6.454	3.409	0.04	0.13	0.10	0.60	11.26
532393.12	4256371.28	0.399	4.825	2.553	0.06	0.13	0.09	0.40	8.46
532404.72	4256354.71	0.440	5.316	2.811	0.06	0.15	0.10	0.43	9.32
532556.33	4256278.08	0.641	7.744	4.094	0.58	0.63	0.18	0.20	14.08
532219.49	4255941.37	0.073	0.883	0.466	0.00	0.01	0.03	0.06	1.53
532133.49	4256010.18	0.037	0.452	0.239	0.00	0.01	0.02	0.03	0.78
CONCUNIT ug	/m^3	0.000	0.000	0.000	0.00	0.26	0.08	0.03	0.36
0	0	0.000	0.000	0.000	0.00	0.22	0.07	0.02	0.32

Maximum
24.7
BAAQMD's significance thresholds
10
Exceed thresholds?
Yes

Scenario 2

X (m)	Y (m)	Infant Cancer Risk (3rd Trimester) 2021 (/million)	Infant Cancer Risk (year 1) 2021 (/million)	Infant Cancer Risk (year 2) 2022 (/million)	Child Cancer Risk (year 1) 2023 (/million)	Child Cancer Risk (year 2) 2024 (/million)	Child Cancer Risk (year 3) 2025 (/million)	Total Cancer Risk (/million)
532862.29	4256047.72	0.18	2.14	3.29	0.28	0.10	0.02	5.99939
532839.56	4256029.53	0.20	2.46	3.64	0.38	0.12	0.02	6.81297
532820.46	4255995.88	0.21	2.54	3.31	0.45	0.14	0.02	6.66794
532825.92	4255944.04	0.15	1.77	1.93	0.31	0.13	0.02	4.29611
532789.54	4255936.77	0.19	2.31	1.82	0.60	0.20	0.02	5.13092
532768.62	4255908.57	0.19	2.24	1.23	0.54	0.26	0.02	4.46999
532752.25	4255856.74	0.16	1.94	0.76	0.28	0.29	0.02	3.45017
532784.99	4255815.81	0.11	1.29	0.66	0.20	0.16	0.02	2.42291
532752.41	4255882.75	0.18	2.21	0.92	0.38	0.32	0.02	4.03412
532771.07	4255831.73	0.12	1.51	0.69	0.23	0.20	0.02	2.77540
532801.39	4255883.33	0.13	1.53	1.10	0.32	0.15	0.02	3.25505
532815.67	4255858.55	0.10	1.25	0.93	0.24	0.12	0.02	2.65529
532829.67	4255901.7	0.11	1.37	1.30	0.26	0.11	0.02	3.17138
532846.58	4255878.38	0.09	1.11	1.07	0.19	0.09	0.01	2.56365
532864.66	4255855.93	0.08	0.92	0.90	0.15	0.07	0.01	2.12673
532838.12	4255838.72	0.08	1.00	0.82	0.18	0.09	0.01	2.19105
532866.42	4255959.35	0.11	1.32	1.67	0.15	0.09	0.01	3.36015
532871.67	4255990.02	0.12	1.44	1.91	0.17	0.09	0.01	3.72917
532871.67	4255933.93	0.09	1.14	1.39	0.14	0.08	0.01	2.85771
532882.16	4255912.94	0.08	0.98	1.17	0.12	0.07	0.01	2.43867
532899.11	4255889.13	0.07	0.80	0.94	0.10	0.06	0.01	1.97006
532916.87	4255985.98	0.08	0.93	1.20	0.09	0.06	0.01	2.36781
532930.18	4255965	0.06	0.78	0.99	0.07	0.05	0.01	1.96227
532916.46	4255866.54	0.05	0.66	0.77	0.08	0.05	0.01	1.61983
532930.18	4255845.95	0.05	0.57	0.65	0.07	0.04	0.01	1.38739
532944.71	4255935.95	0.05	0.64	0.80	0.06	0.04	0.01	1.60519
532958.43	4255906.08	0.04	0.53	0.66	0.05	0.04	0.01	1.32940
532970.94	4255886.31	0.04	0.46	0.57	0.04	0.03	0.01	1.15107
532946.32	4255819.72	0.04	0.48	0.55	0.06	0.03	0.01	1.16932
532991.12	4255858.46	0.03	0.39	0.47	0.04	0.03	0.01	0.96556
533010.89	4255843.13	0.03	0.34	0.41	0.03	0.02	0.01	0.83826
532884.58	4255809.23	0.05	0.65	0.62	0.10	0.05	0.01	1.47686
532851.89	4255793.49	0.06	0.72	0.58	0.12	0.06	0.01	1.55191
532824.05	4255791.48	0.07	0.90	0.60	0.14	0.09	0.02	1.83167
533034.3	4255820.94	0.02	0.29	0.35	0.03	0.02	0.01	0.70755
533054.47	4255804.39	0.02	0.25	0.30	0.02	0.02	0.01	0.61635
532909.2	4256052.57	0.11	1.35	1.94	0.15	0.07	0.01	3.63253
532944.71	4256040.06	0.07	0.90	1.19	0.10	0.05	0.01	2.32923
532966.5	4256021.09	0.06	0.71	0.88	0.07	0.05	0.01	1.77245
532997.98	4256021.9	0.05	0.57	0.68	0.06	0.04	0.01	1.39831
532950.36	4256084.85	0.09	1.04	1.46	0.12	0.05	0.01	2.76392
532990.71	4256062.25	0.06	0.68	0.83	0.07	0.04	0.01	1.68713
533036.72	4256020.29	0.04	0.43	0.48	0.04	0.03	0.01	1.02874
533057.7	4256017.06	0.03	0.38	0.40	0.04	0.03	0.01	0.87936
533018.96	4255976.7	0.04	0.44	0.51	0.04	0.03	0.01	1.06174
533047.61	4255967.02	0.03	0.36	0.40	0.03	0.03	0.01	0.84665
532985.47	4255968.23	0.04	0.53	0.64	0.05	0.04	0.01	1.30345
533002.01	4255941.59	0.04	0.43	0.52	0.04	0.03	0.01	1.06803
533019.77	4255916.58	0.03	0.36	0.44	0.03	0.03	0.01	0.89139
533030.26	4255895.99	0.03	0.33	0.39	0.03	0.02	0.01	0.80247
533059.72	4255876.22	0.02	0.27	0.32	0.02	0.02	0.01	0.65317
533068.19	4255956.12	0.03	0.31	0.34	0.03	0.02	0.01	0.72702
533085.55	4256006.57	0.03	0.32	0.33	0.03	0.02	0.01	0.73175
533113.79	4255991.23	0.02	0.27	0.27	0.03	0.02	0.01	0.61494
533090.79	4255942.81	0.02	0.27	0.29	0.02	0.02	0.01	0.63081
533138.01	4255979.93	0.02	0.24	0.23	0.02	0.02	0.01	0.53509
533115.01	4255927.07	0.02	0.23	0.25	0.02	0.02	0.00	0.54410
533156.17	4255967.02	0.02	0.21	0.21	0.02	0.02	0.00	0.47961
533137.2	4255912.14	0.02	0.20	0.22	0.02	0.02	0.00	0.47610
532524.44	4256235.64	0.41	4.94	2.50	0.94	0.24	0.33	9.35043
532509.17	4256223.67	0.45	5.46	1.61	1.01	0.26	0.45	9.24052
532492.71	4256241.32	0.42	5.10	1.21	0.69	0.23	0.52	8.16340
532478.35	4256259.28	0.38	4.63	0.98	0.49	0.20	0.53	7.21729
532464.28	4256274.25	0.36	4.31	0.81	0.38	0.18	0.55	6.58233
532544.49	4256258.08	0.36	4.38	3.80	0.77	0.21	0.24	9.76495
532451.71	4256294.9	0.32	3.83	0.72	0.30	0.15	0.51	5.83811
532437.65	4256313.75	0.29	3.48	0.63	0.24	0.14	0.49	5.26464
532389.76	4256310.76	0.33	3.95	0.35	0.15	0.12	0.68	5.57980
532404.75	4256293.03	0.36	4.37	0.38	0.18	0.13	0.74	6.16240
532175.23	4256196.06	0.12	1.41	0.05	0.01	0.04	0.26	1.88751
532165.28	4256184.87	0.10	1.15	0.04	0.01	0.04	0.21	1.54687
532120.55	4256157.12	0.04	0.44	0.03	0.01	0.03	0.06	0.60757
532513.25	4256183.63	0.59	7.09	1.12	2.10	0.36	0.47	11.71871
532534.79	4256190.67	0.53	6.43	2.95	1.94	0.33	0.31	12.49428
532551.36	4256205.17	0.49	5.93	5.50	1.52	0.29	0.25	13.97414
532567.51	4256226.3	0.47	5.66	7.58	1.11	0.24	0.20	15.26352
532577.87	4256251.57	0.44	5.28	8.16	0.82	0.20	0.17	15.08077
532423.77	4256334.42	0.26	3.12	0.57	0.19	0.12	0.46	4.71715
532306.13	4256321.16	0.29	3.54	0.16	0.06	0.08	0.71	4.84859
532332.64	4256344.36	0.26	3.09	0.22	0.08	0.08	0.58	4.30855
532365.78	4256346.43	0.25	3.07	0.31	0.11	0.09	0.54	4.37865
532374.89	4256332.34	0.28	3.41	0.32	0.13	0.10	0.60	4.83782
532393.12	4256371.28	0.21	2.55	0.44	0.13	0.09	0.40	3.83698
532404.72	4256354.71	0.23	2.81	0.48	0.15	0.10	0.43	4.21857
532556.33	4256278.08	0.34	4.09	4.39	0.63	0.18	0.20	9.83532
532219.49	4255941.37	0.04	0.47	0.04	0.01	0.03	0.06	0.64123
532133.49	4256010.18	0.02	0.24	0.03	0.01	0.02	0.03	0.33538
CONCUNIT ug	/m^3	0.00	0.00	0.00	0.26	0.08	0.03	0.36063
0	0	0.00	0.00	0.00	0.22	0.07	0.02	0.31829

Maximum
15.3
BAAQMD's significance thresholds
10
Exceed thresholds?
Yes

Scenario 3

X (m)	Y (m)	Infant Cancer Risk (3rd Trimester) 2022 (/million)	Infant Cancer Risk (year 1) 2022 (/million)	Infant Cancer Risk (year 2) 2023 (/million)	Child Cancer Risk (year 1) 2024 (/million)	Child Cancer Risk (year 2) 2025 (/million)	Total Cancer Risk (/million)
532862.29	4256047.72	0.27	3.29	2.11	0.10	0.02	5.79
532839.56	4256029.53	0.30	3.64	2.87	0.12	0.02	6.94
532820.46	4255995.88	0.27	3.31	3.41	0.14	0.02	7.15
532825.92	4255944.04	0.16	1.93	2.30	0.13	0.02	4.54
532789.54	4255936.77	0.15	1.82	4.51	0.20	0.02	6.69
532768.62	4255908.57	0.10	1.23	4.01	0.26	0.02	5.62
532752.25	4255856.74	0.06	0.76	2.12	0.29	0.02	3.25
532784.99	4255815.81	0.05	0.66	1.48	0.16	0.02	2.37
532752.41	4255882.75	0.08	0.92	2.84	0.32	0.02	4.18
532771.07	4255831.73	0.06	0.69	1.71	0.20	0.02	2.68
532801.39	4255883.33	0.09	1.10	2.43	0.15	0.02	3.79
532815.67	4255858.55	0.08	0.93	1.79	0.12	0.02	2.94
532829.67	4255901.7	0.11	1.30	1.93	0.11	0.02	3.47
532846.58	4255878.38	0.09	1.07	1.45	0.09	0.01	2.71
532864.66	4255855.93	0.07	0.90	1.12	0.07	0.01	2.18
532838.12	4255838.72	0.07	0.82	1.34	0.09	0.01	2.33
532866.42	4255959.35	0.14	1.67	1.15	0.09	0.01	3.06
532871.67	4255990.02	0.16	1.91	1.24	0.09	0.01	3.41
532871.67	4255933.93	0.11	1.39	1.03	0.08	0.01	2.63
532882.16	4255912.94	0.10	1.17	0.92	0.07	0.01	2.26
532899.11	4255889.13	0.08	0.94	0.75	0.06	0.01	1.83
532916.87	4255985.98	0.10	1.20	0.67	0.06	0.01	2.05
532930.18	4255965	0.08	0.99	0.53	0.05	0.01	1.66
532916.46	4255866.54	0.06	0.77	0.61	0.05	0.01	1.50
532930.18	4255845.95	0.05	0.65	0.53	0.04	0.01	1.29
532944.71	4255935.95	0.07	0.80	0.42	0.04	0.01	1.34
532958.43	4255906.08	0.05	0.66	0.36	0.04	0.01	1.12
532970.94	4255886.31	0.05	0.57	0.32	0.03	0.01	0.98
532946.32	4255819.72	0.05	0.55	0.45	0.03	0.01	1.09
532991.12	4255858.46	0.04	0.47	0.29	0.03	0.01	0.83
533010.89	4255843.13	0.03	0.41	0.25	0.02	0.01	0.72
532884.58	4255809.23	0.05	0.62	0.75	0.05	0.01	1.48
532851.89	4255793.49	0.05	0.58	0.87	0.06	0.01	1.58
532824.05	4255791.48	0.05	0.60	1.09	0.09	0.02	1.84
533034.3	4255820.94	0.03	0.35	0.21	0.02	0.01	0.61
533054.47	4255804.39	0.02	0.30	0.19	0.02	0.01	0.53
532909.2	4256052.57	0.16	1.94	1.15	0.07	0.01	3.34
532944.71	4256040.06	0.10	1.19	0.73	0.05	0.01	2.08
532966.5	4256021.09	0.07	0.88	0.53	0.05	0.01	1.54
532997.98	4256021.9	0.06	0.68	0.43	0.04	0.01	1.21
532950.36	4256084.85	0.12	1.46	0.87	0.05	0.01	2.51
532990.71	4256062.25	0.07	0.83	0.56	0.04	0.01	1.50
533036.72	4256020.29	0.04	0.48	0.32	0.03	0.01	0.88
533057.7	4256017.06	0.03	0.40	0.28	0.03	0.01	0.74
533018.96	4255976.7	0.04	0.51	0.29	0.03	0.01	0.88
533047.61	4255967.02	0.03	0.40	0.23	0.03	0.01	0.69
532985.47	4255968.23	0.05	0.64	0.34	0.04	0.01	1.08
533002.01	4255941.59	0.04	0.52	0.27	0.03	0.01	0.87
533019.77	4255916.58	0.04	0.44	0.22	0.03	0.01	0.72
533030.26	4255895.99	0.03	0.39	0.20	0.02	0.01	0.66
533059.72	4255876.22	0.03	0.32	0.17	0.02	0.01	0.53
533068.19	4255956.12	0.03	0.34	0.20	0.02	0.01	0.59
533085.55	4256006.57	0.03	0.33	0.23	0.02	0.01	0.61
533113.79	4255991.23	0.02	0.27	0.19	0.02	0.01	0.51
533090.79	4255942.81	0.02	0.29	0.17	0.02	0.01	0.51
533138.01	4255979.93	0.02	0.23	0.16	0.02	0.01	0.44
533115.01	4255927.07	0.02	0.25	0.14	0.02	0.00	0.44
533156.17	4255967.02	0.02	0.21	0.14	0.02	0.00	0.39
533137.2	4255912.14	0.02	0.22	0.12	0.02	0.00	0.38
532524.44	4256235.64	0.21	2.50	7.02	0.24	0.33	10.30
532509.17	4256223.67	0.13	1.61	7.57	0.26	0.45	10.02
532492.71	4256241.32	0.10	1.21	5.17	0.23	0.52	7.23
532478.35	4256259.28	0.08	0.98	3.71	0.20	0.53	5.50
532464.28	4256274.25	0.07	0.81	2.86	0.18	0.55	4.46
532544.49	4256258.08	0.31	3.80	5.74	0.21	0.24	10.31
532451.71	4256294.9	0.06	0.72	2.22	0.15	0.51	3.67
532437.65	4256313.75	0.05	0.63	1.78	0.14	0.49	3.09
532389.76	4256310.76	0.03	0.35	1.13	0.12	0.68	2.30
532404.75	4256293.03	0.03	0.38	1.36	0.13	0.74	2.65
532175.23	4256196.06	0.00	0.05	0.09	0.04	0.26	0.44
532165.28	4256184.87	0.00	0.04	0.08	0.04	0.21	0.37
532120.55	4256157.12	0.00	0.03	0.06	0.03	0.06	0.18
532513.25	4256183.63	0.09	1.12	15.75	0.36	0.47	17.79
532534.79	4256190.67	0.24	2.95	14.58	0.33	0.31	18.41
532551.36	4256205.17	0.46	5.50	11.39	0.29	0.25	17.88
532567.51	4256226.3	0.63	7.58	8.34	0.24	0.20	16.99
532577.87	4256251.57	0.68	8.16	6.18	0.20	0.17	15.39
532423.77	4256334.42	0.05	0.57	1.45	0.12	0.46	2.64
532306.13	4256321.16	0.01	0.16	0.47	0.08	0.71	1.44
532332.64	4256344.36	0.02	0.22	0.62	0.08	0.58	1.53
532365.78	4256346.43	0.03	0.31	0.85	0.09	0.54	1.81
532374.89	4256332.34	0.03	0.32	0.94	0.10	0.60	1.99
532393.12	4256371.28	0.04	0.44	1.01	0.09	0.40	1.99
532404.72	4256354.71	0.04	0.48	1.16	0.10	0.43	2.22
532556.33	4256278.08	0.36	4.39	4.75	0.18	0.20	9.88
532219.49	4255941.37	0.00	0.04	0.05	0.03	0.06	0.19
532133.49	4256010.18	0.00	0.03	0.04	0.02	0.03	0.11
CONCUNIT ug	/m^3	0.00	0.00	1.93	0.08	0.03	2.03
0	0	0.00	0.00	1.68	0.07	0.02	1.78

Maximum
18.4
BAAQMD's significance thresholds
10
Exceed thresholds?
Yes

Scenario 4

X (m)	Y (m)	Infant Cancer Risk (3rd Trimester) 2023 (/million)	Infant Cancer Risk (year 1) 2023 (/million)	Infant Cancer Risk (year 2) 2024 (/million)	Child Cancer Risk (year 1) 2025 (/million)	Total Cancer Risk (/million)
532862.29	4256047.72	0.18	2.11	0.71	0.02	3.02
532839.56	4256029.53	0.24	2.87	0.87	0.02	4.00
532820.46	4255995.88	0.28	3.41	1.05	0.02	4.76
532825.92	4255944.04	0.19	2.30	0.97	0.02	3.48
532789.54	4255936.77	0.37	4.51	1.48	0.02	6.39
532768.62	4255908.57	0.33	4.01	1.92	0.02	6.28
532752.25	4255856.74	0.18	2.12	2.15	0.02	4.48
532784.99	4255815.81	0.12	1.48	1.18	0.02	2.80
532752.41	4255882.75	0.24	2.84	2.37	0.02	5.47
532771.07	4255831.73	0.14	1.71	1.49	0.02	3.36
532801.39	4255883.33	0.20	2.43	1.13	0.02	3.78
532815.67	4255858.55	0.15	1.79	0.89	0.02	2.85
532829.67	4255901.7	0.16	1.93	0.86	0.02	2.97
532846.58	4255878.38	0.12	1.45	0.68	0.01	2.26
532864.66	4255855.93	0.09	1.12	0.54	0.01	1.77
532838.12	4255838.72	0.11	1.34	0.67	0.01	2.13
532866.42	4255959.35	0.09	1.15	0.68	0.01	1.93
532871.67	4255990.02	0.10	1.24	0.67	0.01	2.04
532871.67	4255933.93	0.09	1.03	0.62	0.01	1.75
532882.16	4255912.94	0.08	0.92	0.54	0.01	1.54
532899.11	4255889.13	0.06	0.75	0.43	0.01	1.25
532916.87	4255985.98	0.06	0.67	0.46	0.01	1.20
532930.18	4255965	0.04	0.53	0.40	0.01	0.98
532916.46	4255866.54	0.05	0.61	0.35	0.01	1.02
532930.18	4255845.95	0.04	0.53	0.30	0.01	0.88
532944.71	4255935.95	0.03	0.42	0.34	0.01	0.80
532958.43	4255906.08	0.03	0.36	0.28	0.01	0.68
532970.94	4255886.31	0.03	0.32	0.24	0.01	0.60
532946.32	4255819.72	0.04	0.45	0.25	0.01	0.75
532991.12	4255858.46	0.02	0.29	0.19	0.01	0.51
533010.89	4255843.13	0.02	0.25	0.17	0.01	0.44
532884.58	4255809.23	0.06	0.75	0.38	0.01	1.20
532851.89	4255793.49	0.07	0.87	0.48	0.01	1.44
532824.05	4255791.48	0.09	1.09	0.69	0.02	1.88
533034.3	4255820.94	0.02	0.21	0.14	0.01	0.38
533054.47	4255804.39	0.02	0.19	0.12	0.01	0.33
532909.2	4256052.57	0.10	1.15	0.51	0.01	1.78
532944.71	4256040.06	0.06	0.73	0.41	0.01	1.21
532966.5	4256021.09	0.04	0.53	0.36	0.01	0.94
532997.98	4256021.9	0.04	0.43	0.30	0.01	0.77
532950.36	4256084.85	0.07	0.87	0.39	0.01	1.35
532990.71	4256062.25	0.05	0.56	0.32	0.01	0.93
533036.72	4256020.29	0.03	0.32	0.24	0.01	0.60
533057.7	4256017.06	0.02	0.28	0.22	0.01	0.52
533018.96	4255976.7	0.02	0.29	0.24	0.01	0.56
533047.61	4255967.02	0.02	0.23	0.20	0.01	0.45
532985.47	4255968.23	0.03	0.34	0.28	0.01	0.66
533002.01	4255941.59	0.02	0.27	0.23	0.01	0.53
533019.77	4255916.58	0.02	0.22	0.19	0.01	0.44
533030.26	4255895.99	0.02	0.20	0.17	0.01	0.40
533059.72	4255876.22	0.01	0.17	0.14	0.01	0.32
533068.19	4255956.12	0.02	0.20	0.17	0.01	0.39
533085.55	4256006.57	0.02	0.23	0.19	0.01	0.44
533113.79	4255991.23	0.02	0.19	0.16	0.01	0.37
533090.79	4255942.81	0.01	0.17	0.15	0.01	0.34
533138.01	4255979.93	0.01	0.16	0.14	0.01	0.32
533115.01	4255927.07	0.01	0.14	0.13	0.00	0.29
533156.17	4255967.02	0.01	0.14	0.13	0.00	0.29
533137.2	4255912.14	0.01	0.12	0.12	0.00	0.26
532524.44	4256235.64	0.58	7.02	1.79	0.33	9.73
532509.17	4256223.67	0.63	7.57	1.96	0.45	10.61
532492.71	4256241.32	0.43	5.17	1.72	0.52	7.84
532478.35	4256259.28	0.31	3.71	1.49	0.53	6.04
532464.28	4256274.25	0.24	2.86	1.33	0.55	4.97
532544.49	4256258.08	0.48	5.74	1.54	0.24	8.00
532451.71	4256294.9	0.18	2.22	1.15	0.51	4.07
532437.65	4256313.75	0.15	1.78	1.01	0.49	3.43
532389.76	4256310.76	0.09	1.13	0.88	0.68	2.79
532404.75	4256293.03	0.11	1.36	1.00	0.74	3.22
532175.23	4256196.06	0.01	0.09	0.31	0.26	0.67
532165.28	4256184.87	0.01	0.08	0.29	0.21	0.58
532120.55	4256157.12	0.00	0.06	0.19	0.06	0.32
532513.25	4256183.63	1.30	15.75	2.67	0.47	20.20
532534.79	4256190.67	1.21	14.58	2.46	0.31	18.56
532551.36	4256205.17	0.94	11.39	2.16	0.25	14.74
532567.51	4256226.3	0.69	8.34	1.82	0.20	11.05
532577.87	4256251.57	0.51	6.18	1.53	0.17	8.40
532423.77	4256334.42	0.12	1.45	0.89	0.46	2.92
532306.13	4256321.16	0.04	0.47	0.59	0.71	1.82
532332.64	4256344.36	0.05	0.62	0.62	0.58	1.88
532365.78	4256346.43	0.07	0.85	0.70	0.54	2.16
532374.89	4256332.34	0.08	0.94	0.77	0.60	2.38
532393.12	4256371.28	0.08	1.01	0.70	0.40	2.20
532404.72	4256354.71	0.10	1.16	0.77	0.43	2.47
532556.33	4256278.08	0.39	4.75	1.36	0.20	6.70
532219.49	4255941.37	0.00	0.05	0.22	0.06	0.34
532133.49	4256010.18	0.00	0.04	0.13	0.03	0.20
CONCUNIT ug	/m^3	0.16	1.93	0.57	0.03	2.69
0	0	0.14	1.68	0.53	0.02	2.37

Maximum
20.2
BAAQMD's significance thresholds
10
Exceed thresholds?
Yes

Scenario 5

X (m)	Y (m)	Infant Cancer Risk (3rd Trimester) 2024 (/million)	Infant Cancer Risk (year 1) 2024 (/million)	Infant Cancer Risk (year 2) 2025 (/million)	Total Cancer Risk (/million)
532862.29	4256047.72	0.06	0.71	0.11	0.89
532839.56	4256029.53	0.07	0.87	0.12	1.06
532820.46	4255995.88	0.09	1.05	0.13	1.27
532825.92	4255944.04	0.08	0.97	0.12	1.17
532789.54	4255936.77	0.12	1.48	0.14	1.75
532768.62	4255908.57	0.16	1.92	0.16	2.23
532752.25	4255856.74	0.18	2.15	0.18	2.51
532784.99	4255815.81	0.10	1.18	0.15	1.42
532752.41	4255882.75	0.20	2.37	0.17	2.74
532771.07	4255831.73	0.12	1.49	0.16	1.77
532801.39	4255883.33	0.09	1.13	0.13	1.35
532815.67	4255858.55	0.07	0.89	0.12	1.09
532829.67	4255901.7	0.07	0.86	0.11	1.04
532846.58	4255878.38	0.06	0.68	0.11	0.84
532864.66	4255855.93	0.05	0.54	0.10	0.69
532838.12	4255838.72	0.06	0.67	0.11	0.84
532866.42	4255959.35	0.06	0.68	0.10	0.83
532871.67	4255990.02	0.06	0.67	0.10	0.83
532871.67	4255933.93	0.05	0.62	0.09	0.76
532882.16	4255912.94	0.04	0.54	0.09	0.67
532899.11	4255889.13	0.04	0.43	0.08	0.55
532916.87	4255985.98	0.04	0.46	0.08	0.58
532930.18	4255965	0.03	0.40	0.07	0.51
532916.46	4255866.54	0.03	0.35	0.07	0.45
532930.18	4255845.95	0.02	0.30	0.07	0.39
532944.71	4255935.95	0.03	0.34	0.06	0.43
532958.43	4255906.08	0.02	0.28	0.06	0.36
532970.94	4255886.31	0.02	0.24	0.06	0.31
532946.32	4255819.72	0.02	0.25	0.06	0.33
532991.12	4255858.46	0.02	0.19	0.05	0.26
533010.89	4255843.13	0.01	0.17	0.05	0.23
532884.58	4255809.23	0.03	0.38	0.09	0.49
532851.89	4255793.49	0.04	0.48	0.10	0.62
532824.05	4255791.48	0.06	0.69	0.12	0.87
533034.3	4255820.94	0.01	0.14	0.04	0.19
533054.47	4255804.39	0.01	0.12	0.04	0.17
532909.2	4256052.57	0.04	0.51	0.09	0.65
532944.71	4256040.06	0.03	0.41	0.08	0.52
532966.5	4256021.09	0.03	0.36	0.07	0.45
532997.98	4256021.9	0.02	0.30	0.06	0.38
532950.36	4256084.85	0.03	0.39	0.09	0.51
532990.71	4256062.25	0.03	0.32	0.07	0.42
533036.72	4256020.29	0.02	0.24	0.05	0.32
533057.7	4256017.06	0.02	0.22	0.05	0.28
533018.96	4255976.7	0.02	0.24	0.05	0.31
533047.61	4255967.02	0.02	0.20	0.05	0.26
532985.47	4255968.23	0.02	0.28	0.06	0.36
533002.01	4255941.59	0.02	0.23	0.05	0.30
533019.77	4255916.58	0.02	0.19	0.05	0.26
533030.26	4255895.99	0.01	0.17	0.04	0.23
533059.72	4255876.22	0.01	0.14	0.04	0.19
533068.19	4255956.12	0.01	0.17	0.04	0.23
533085.55	4256006.57	0.02	0.19	0.05	0.25
533113.79	4255991.23	0.01	0.16	0.04	0.22
533090.79	4255942.81	0.01	0.15	0.04	0.20
533138.01	4255979.93	0.01	0.14	0.04	0.19
533115.01	4255927.07	0.01	0.13	0.04	0.18
533156.17	4255967.02	0.01	0.13	0.04	0.17
533137.2	4255912.14	0.01	0.12	0.03	0.16
532524.44	4256235.64	0.15	1.79	2.50	4.45
532509.17	4256223.67	0.16	1.96	3.37	5.50
532492.71	4256241.32	0.14	1.72	3.88	5.74
532478.35	4256259.28	0.12	1.49	3.99	5.60
532464.28	4256274.25	0.11	1.33	4.09	5.53
532544.49	4256258.08	0.13	1.54	1.82	3.49
532451.71	4256294.9	0.10	1.15	3.86	5.11
532437.65	4256313.75	0.08	1.01	3.70	4.79
532389.76	4256310.76	0.07	0.88	5.13	6.09
532404.75	4256293.03	0.08	1.00	5.53	6.62
532175.23	4256196.06	0.03	0.31	1.96	2.30
532165.28	4256184.87	0.02	0.29	1.55	1.86
532120.55	4256157.12	0.02	0.19	0.48	0.68
532513.25	4256183.63	0.22	2.67	3.53	6.42
532534.79	4256190.67	0.20	2.46	2.36	5.02
532551.36	4256205.17	0.18	2.16	1.85	4.19
532567.51	4256226.3	0.15	1.82	1.49	3.47
532577.87	4256251.57	0.13	1.53	1.30	2.96
532423.77	4256334.42	0.07	0.89	3.45	4.41
532306.13	4256321.16	0.05	0.59	5.36	6.00
532332.64	4256344.36	0.05	0.62	4.34	5.01
532365.78	4256346.43	0.06	0.70	4.03	4.79
532374.89	4256332.34	0.06	0.77	4.47	5.30
532393.12	4256371.28	0.06	0.70	3.00	3.75
532404.72	4256354.71	0.06	0.77	3.26	4.09
532556.33	4256278.08	0.11	1.36	1.51	2.98
532219.49	4255941.37	0.02	0.22	0.47	0.71
532133.49	4256010.18	0.01	0.13	0.21	0.35
CONCUNIT ug	/m^3	0.05	0.57	0.20	0.82
0	0	0.04	0.53	0.18	0.75

Maximum
6.6
BAAQMD's significance thresholds
10
Exceed thresholds?
No

Elnoka Construction DPM Emissions

no mitigation, fugitive dust control

Child

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
UTM: (565046,4185977)

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Year	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
2020	1	3	572	0.72	1	18.6
2021	1	3	572	0.72	1	18.6
2022	1	3	572	0.72	1	18.6
2023	1	3	572	0.72	1	18.6
2024	1	3	572	0.72	1	18.6
2025	1	3	572	0.72	1	18.6

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

Elnoka Construction DPM Emissions **No Mitigation** **at Sensitive Receptors**

Cancer Risks - Child

Estimated Cancer Risks from Construction DPM

X	Y	Child Cancer Risk (year 1) 2020	Child Cancer Risk (year 2) 2021	Child Cancer Risk (year 3) 2022	Child Cancer Risk (year 4) 2023	Child Cancer Risk (year 5) 2024	Child Cancer Risk (year 6) 2025	Total Cancer Risk	Maximum	
(m)	(m)	(/million)	(/million)	(/million)	(/million)	(/million)	(/million)	(/million)	5.8	
532862.29	4256047.72	0.540	0.285	0.439	0.282	0.095	0.015	1.65644	**BAAQMD's Significance Thresholds**	
532839.56	4256029.53	0.621	0.328	0.485	0.383	0.116	0.016	1.94880	10	
532820.46	4255995.88	0.641	0.338	0.441	0.455	0.140	0.017	2.03281	**Exceed Thresholds?**	
532825.92	4255944.04	0.446	0.236	0.258	0.307	0.130	0.016	1.39152	**No**	
532789.54	4255936.77	0.583	0.307	0.242	0.602	0.198	0.019	1.95044		
532768.62	4255908.57	0.567	0.299	0.164	0.535	0.256	0.021	1.84155		
532752.25	4255856.74	0.490	0.258	0.101	0.283	0.287	0.023	1.44290		
532784.99	4255815.81	0.325	0.171	0.088	0.197	0.157	0.020	0.95816		
532752.41	4255882.75	0.560	0.295	0.122	0.379	0.316	0.023	1.69553		
532771.07	4255831.73	0.381	0.201	0.093	0.228	0.198	0.021	1.12273		
532801.39	4255883.33	0.388	0.205	0.147	0.324	0.151	0.018	1.23126		
532815.67	4255858.55	0.315	0.166	0.124	0.239	0.119	0.017	0.98029		
532829.67	4255901.7	0.346	0.183	0.173	0.258	0.114	0.015	1.08952		
532846.58	4255878.38	0.280	0.148	0.142	0.193	0.090	0.014	0.86704		
532864.66	4255855.93	0.231	0.122	0.120	0.150	0.073	0.013	0.70845		
532838.12	4255838.72	0.253	0.134	0.110	0.178	0.089	0.015	0.77923		
532866.42	4255959.35	0.334	0.176	0.223	0.153	0.091	0.013	0.98981		
532871.67	4255990.02	0.362	0.191	0.254	0.166	0.090	0.013	1.07687		
532871.67	4255933.93	0.289	0.152	0.185	0.138	0.083	0.012	0.85905		
532882.16	4255912.94	0.248	0.131	0.156	0.122	0.072	0.012	0.74090		
532899.11	4255889.13	0.202	0.107	0.125	0.099	0.058	0.011	0.60119		
532916.87	4255985.98	0.234	0.124	0.160	0.090	0.062	0.010	0.67997		
532930.18	4255965	0.196	0.104	0.132	0.070	0.054	0.009	0.56441		
532916.46	4255866.54	0.167	0.088	0.102	0.082	0.047	0.010	0.49524		
532930.18	4255845.95	0.143	0.076	0.087	0.071	0.039	0.009	0.42560		
532944.71	4255935.95	0.161	0.085	0.107	0.056	0.045	0.009	0.46337		
532958.43	4255906.08	0.134	0.071	0.088	0.048	0.037	0.008	0.38648		
532970.94	4255886.31	0.117	0.062	0.076	0.043	0.032	0.007	0.33629		
532946.32	4255819.72	0.121	0.064	0.073	0.060	0.033	0.009	0.36031		
532991.12	4255858.46	0.098	0.052	0.063	0.038	0.026	0.007	0.28391		
533010.89	4255843.13	0.085	0.045	0.055	0.033	0.022	0.006	0.24687		
532884.58	4255809.23	0.163	0.086	0.082	0.100	0.050	0.011	0.49273		
532851.89	4255793.49	0.182	0.096	0.077	0.117	0.064	0.013	0.54972		
532824.05	4255791.48	0.228	0.121	0.080	0.145	0.092	0.016	0.68170		
533034.3	4255820.94	0.072	0.038	0.046	0.028	0.018	0.006	0.20904		
533054.47	4255804.39	0.063	0.033	0.040	0.025	0.016	0.005	0.18244		
532909.2	4256052.57	0.340	0.179	0.259	0.154	0.069	0.013	1.01299		
532944.71	4256040.06	0.228	0.121	0.158	0.097	0.055	0.010	0.66951		
532966.5	4256021.09	0.178	0.094	0.117	0.071	0.047	0.009	0.51756		
532997.98	4256021.9	0.144	0.076	0.090	0.057	0.040	0.008	0.41516		
532950.36	4256084.85	0.263	0.139	0.194	0.116	0.052	0.012	0.77627		
532990.71	4256062.25	0.171	0.090	0.110	0.074	0.042	0.010	0.49795		
533036.72	4256020.29	0.109	0.058	0.064	0.043	0.032	0.007	0.31305		
533057.7	4256017.06	0.095	0.050	0.053	0.037	0.029	0.007	0.27065		
533018.96	4255976.7	0.111	0.059	0.068	0.038	0.032	0.007	0.31459		
533047.61	4255967.02	0.090	0.047	0.053	0.031	0.027	0.006	0.25359		
532985.47	4255968.23	0.133	0.070	0.086	0.045	0.038	0.008	0.37977		
533002.01	4255941.59	0.110	0.058	0.070	0.036	0.031	0.007	0.31110		
533019.77	4255916.58	0.092	0.049	0.058	0.029	0.026	0.006	0.25979		
533030.26	4255895.99	0.082	0.044	0.052	0.027	0.023	0.006	0.23398		
533059.72	4255876.22	0.067	0.036	0.042	0.022	0.018	0.005	0.19127		
533068.19	4255956.12	0.078	0.041	0.045	0.026	0.023	0.006	0.21884		
533085.55	4256006.57	0.080	0.042	0.044	0.030	0.025	0.006	0.22739		
533113.79	4255991.23	0.068	0.036	0.036	0.025	0.021	0.005	0.19213		
533090.79	4255942.81	0.068	0.036	0.039	0.022	0.020	0.005	0.19048		
533138.01	4255979.93	0.060	0.032	0.031	0.022	0.019	0.005	0.16796		
533115.01	4255927.07	0.059	0.031	0.033	0.019	0.018	0.005	0.16470		
533156.17	4255967.02	0.054	0.028	0.028	0.019	0.017	0.005	0.15067		
533137.2	4255912.14	0.052	0.027	0.029	0.017	0.015	0.004	0.14439		
532524.44	4256235.64	1.247	0.658	0.333	0.936	0.239	0.334	3.74698		
532509.17	4256223.67	1.379	0.728	0.215	1.009	0.262	0.450	4.04205		
532492.71	4256241.32	1.288	0.680	0.161	0.690	0.229	0.517	3.56490		
532478.35	4256259.28	1.170	0.618	0.130	0.495	0.199	0.531	3.14312		
532464.28	4256274.25	1.088	0.575	0.108	0.381	0.177	0.545	2.87497		
532544.49	4256258.08	1.107	0.585	0.507	0.766	0.206	0.243	3.41241		
532451.71	4256294.9	0.968	0.511	0.096	0.297	0.154	0.514	2.53991		
532437.65	4256313.75	0.878	0.464	0.084	0.237	0.135	0.493	2.29111		
532389.76	4256310.76	0.998	0.527	0.046	0.150	0.118	0.685	2.52437		
532404.75	4256293.03	1.103	0.582	0.051	0.182	0.134	0.738	2.78985		
532175.23	4256196.06	0.356	0.188	0.006	0.012	0.042	0.261	0.86577		
532165.28	4256184.87	0.291	0.154	0.006	0.011	0.038	0.207	0.70666		
532120.55	4256157.12	0.112	0.059	0.004	0.008	0.026	0.063	0.27142		
532513.25	4256183.63	1.791	0.945	0.149	2.100	0.357	0.470	5.81279		
532534.79	4256190.67	1.625	0.857	0.393	1.944	0.328	0.314	5.46159		
532551.36	4256205.17	1.498	0.791	0.733	1.519	0.288	0.246	5.07563		
532567.51	4256226.3	1.429	0.755	1.011	1.112	0.243	0.199	4.74905		
532577.87	4256251.57	1.333	0.704	1.088	0.824	0.205	0.173	4.32692		
532423.77	4256334.42	0.787	0.416	0.076	0.194	0.119	0.460	2.05049		
532306.13	4256321.16	0.894	0.472	0.021	0.063	0.079	0.714	2.24413		
532332.64	4256344.36	0.779	0.412	0.030	0.083	0.083	0.579	1.96545		
532365.78	4256346.43	0.775	0.409	0.041	0.113	0.094	0.538	1.97038		
532374.89	4256332.34	0.861	0.455	0.043	0.125	0.102	0.597	2.18256		
532393.12	4256371.28	0.643	0.340	0.059	0.135	0.093	0.399	1.67097		
532404.72	4256354.71	0.709	0.375	0.064	0.155	0.103	0.434	1.84037		
532556.33	4256278.08	1.033	0.546	0.585	0.634	0.181	0.202	3.17971		
532219.49	4255941.37	0.118	0.062	0.005	0.007	0.029	0.063	0.28450		
532133.49	4256010.18	0.060	0.032	0.003	0.005	0.018	0.028	0.14625		
532834.4	4256230.11	0.000	0.000	0.000	0.257	0.076	0.027	0.36063	**Stop here because the remaining receptors are on-site seniors**	
532856.7	4256218.96	0.000	0.000	0.000	0.224	0.070	0.024	On-site receptors (adult scenario only)		
532882.73	4256205.33	0.000	0.000	0.000	0.190	0.064	0.020	On-site receptors (adult scenario only)		
532877.77	4256187.98	0.000	0.000	0.000	0.208	0.068	0.020	On-site receptors (adult scenario only)		
532841.83	4256204.09	0.000	0.000	0.000	0.269	0.079	0.025	On-site receptors (adult scenario only)		

532812.1	4256218.96	0.000	0.000	0.000	0.325	0.088	0.030	On-site receptors (adult scenario only)
532726.6	4256157	0.000	0.000	0.000	0.991	0.182	0.043	On-site receptors (adult scenario only)
532748.9	4256153.28	0.000	0.000	0.000	0.857	0.161	0.037	On-site receptors (adult scenario only)
532768.73	4256137.18	0.000	0.000	0.000	0.813	0.149	0.031	On-site receptors (adult scenario only)
532787.31	4256123.54	0.000	0.000	0.000	0.733	0.137	0.027	On-site receptors (adult scenario only)
532810.86	4256103.72	0.000	0.000	0.000	0.609	0.122	0.023	On-site receptors (adult scenario only)
532799.7	4256081.41	0.000	0.000	0.000	0.842	0.142	0.023	On-site receptors (adult scenario only)
532782.36	4256066.55	0.000	0.000	0.000	1.277	0.173	0.024	On-site receptors (adult scenario only)
532776.16	4256036.81	0.000	0.000	0.000	1.845	0.203	0.023	On-site receptors (adult scenario only)
532746.42	4256055.39	0.000	0.000	0.000	2.484	0.257	0.028	On-site receptors (adult scenario only)
532715.44	4256075.22	0.000	0.000	0.000	2.788	0.305	0.036	On-site receptors (adult scenario only)
532693.14	4256092.57	0.000	0.000	0.000	2.767	0.326	0.045	On-site receptors (adult scenario only)
532709.25	4256142.13	0.000	0.000	0.000	1.298	0.218	0.047	On-site receptors (adult scenario only)
532699.34	4256121.07	0.000	0.000	0.000	1.776	0.260	0.047	On-site receptors (adult scenario only)
532756.85	4255990.46	0.000	0.000	0.000	0.000	0.307	0.023	On-site receptors (adult scenario only)
532737.31	4255956.13	0.000	0.000	0.000	0.000	0.517	0.025	On-site receptors (adult scenario only)
532739.68	4256007.03	0.000	0.000	0.000	0.000	0.361	0.026	On-site receptors (adult scenario only)
532707.13	4255970.93	0.000	0.000	0.000	0.000	0.796	0.030	On-site receptors (adult scenario only)
532687	4255986.91	0.000	0.000	0.000	0.000	0.900	0.035	On-site receptors (adult scenario only)
532663.33	4256007.03	0.000	0.000	0.000	0.000	0.974	0.043	On-site receptors (adult scenario only)
532643.2	4256024.2	0.000	0.000	0.000	0.000	0.996	0.051	On-site receptors (adult scenario only)
532622.49	4256040.77	0.000	0.000	0.000	0.000	1.003	0.063	On-site receptors (adult scenario only)
532597.04	4256054.38	0.000	0.000	0.000	0.000	1.012	0.084	On-site receptors (adult scenario only)
532571.59	4256061.49	0.000	0.000	0.000	0.000	1.092	0.111	On-site receptors (adult scenario only)
532536.67	4256078.06	0.000	0.000	0.000	0.000	1.067	0.183	On-site receptors (adult scenario only)
532501.15	4256097	0.000	0.000	0.000	0.000	0.961	0.349	On-site receptors (adult scenario only)
532489.32	4256120.08	0.000	0.000	0.000	0.000	0.716	0.541	On-site receptors (adult scenario only)
532499.97	4256141.98	0.000	0.000	0.000	0.000	0.540	0.522	On-site receptors (adult scenario only)
532511.22	4256140.2	0.000	0.000	0.000	0.000	0.545	0.402	On-site receptors (adult scenario only)
532530.82	4256123.84	0.000	0.000	0.000	0.000	0.621	0.260	On-site receptors (adult scenario only)
532551.53	4256111.32	0.000	0.000	0.000	0.000	0.662	0.180	On-site receptors (adult scenario only)
532575.21	4256090.96	0.000	0.000	0.000	0.000	0.745	0.122	On-site receptors (adult scenario only)
532604.8	4256074.32	0.000	0.000	0.000	0.000	0.753	0.083	On-site receptors (adult scenario only)
532648.3	4256054.3	0.000	0.000	0.000	0.000	0.660	0.054	On-site receptors (adult scenario only)
532685.23	4256040.18	0.000	0.000	0.000	0.000	0.538	0.040	On-site receptors (adult scenario only)
532708.31	4256027.16	0.000	0.000	0.000	0.000	0.471	0.033	On-site receptors (adult scenario only)
532560.39	4255753.8	0.000	0.000	0.000	0.000	0.000	0.059	On-site receptors (adult scenario only)
532538.78	4255727.86	0.000	0.000	0.000	0.000	0.000	0.057	On-site receptors (adult scenario only)
532492.68	4255784.05	0.000	0.000	0.000	0.000	0.000	0.081	On-site receptors (adult scenario only)
532391.83	4255828.71	0.000	0.000	0.000	0.000	0.000	0.112	On-site receptors (adult scenario only)
532435.05	4255808.54	0.000	0.000	0.000	0.000	0.000	0.101	On-site receptors (adult scenario only)
532492.68	4255748.03	0.000	0.000	0.000	0.000	0.000	0.068	On-site receptors (adult scenario only)
532678.53	4255861.85	0.000	0.000	0.000	0.000	0.000	0.036	On-site receptors (adult scenario only)
532643.96	4255815.75	0.000	0.000	0.000	0.000	0.000	0.046	On-site receptors (adult scenario only)
532589.21	4255838.8	0.000	0.000	0.000	0.000	0.000	0.067	On-site receptors (adult scenario only)
532618.02	4255896.43	0.000	0.000	0.000	0.000	0.000	0.053	On-site receptors (adult scenario only)
532582	4255932.45	0.000	0.000	0.000	0.000	0.000	0.068	On-site receptors (adult scenario only)
532548.87	4255943.97	0.000	0.000	0.000	0.000	0.000	0.088	On-site receptors (adult scenario only)
532498.44	4255961.26	0.000	0.000	0.000	0.000	0.000	0.134	On-site receptors (adult scenario only)
532452.34	4255982.87	0.000	0.000	0.000	0.000	0.000	0.222	On-site receptors (adult scenario only)
532400.47	4255931.01	0.000	0.000	0.000	0.000	0.000	0.336	On-site receptors (adult scenario only)
532455.22	4255923.8	0.000	0.000	0.000	0.000	0.000	0.198	On-site receptors (adult scenario only)
532491.24	4255905.07	0.000	0.000	0.000	0.000	0.000	0.139	On-site receptors (adult scenario only)
532518.61	4255887.79	0.000	0.000	0.000	0.000	0.000	0.114	On-site receptors (adult scenario only)
532547.43	4255867.61	0.000	0.000	0.000	0.000	0.000	0.092	On-site receptors (adult scenario only)
CONCUNIT ug	/m^3	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
DEPUNIT g/m	^2	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
0	0	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
0	0	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
0	0	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
0	0	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
0	0	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)

Elnoka Construction DPM Emissions

no mitigation, fugitive dust control

Adult

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Year	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
2020	1	1	261	0.73	1	2.9
2021	1	1	261	0.73	1	2.9
2022	1	1	261	0.73	1	2.9
2023	1	1	261	0.73	1	2.9
2024	1	1	261	0.73	1	2.9
2025	1	1	261	0.73	1	2.9

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

Elnoka Construction DPM Emissions **No Mitigation** **at Sensitive Receptors**

Cancer Risks - Adult

Estimated Cancer Risks from Construction DPM

X (m)	Y (m)	Adult Cancer Risk (year 1) 2020 (/million)	Adult Cancer Risk (year 2) 2021 (/million)	Adult Cancer Risk (year 3) 2022 (/million)	Adult Cancer Risk (year 4) 2023 (/million)	Adult Cancer Risk (year 5) 2024 (/million)	Adult Cancer Risk (year 6) 2025 (/million)	Total Cancer Risk (/million)	Maximum 0.90 BAAQMD's significance thresholds
532862.29	4256047.72	0.083	0.044	0.068	0.043	0.015	0.002	0.25544	10
532839.56	4256029.53	0.096	0.051	0.075	0.059	0.018	0.002	0.30052	**Exceed Thresholds?**
532820.46	4255995.88	0.099	0.052	0.068	0.070	0.022	0.003	0.31348	**No**
532825.92	4255944.04	0.069	0.036	0.040	0.047	0.020	0.002	0.21459	
532789.54	4255936.77	0.090	0.047	0.037	0.093	0.031	0.003	0.30078	
532768.62	4255908.57	0.087	0.046	0.025	0.083	0.039	0.003	0.28399	
532752.25	4255856.74	0.076	0.040	0.016	0.044	0.044	0.004	0.22251	
532784.99	4255815.81	0.050	0.026	0.013	0.030	0.024	0.003	0.14776	
532752.41	4255882.75	0.086	0.046	0.019	0.058	0.049	0.004	0.26147	
532771.07	4255831.73	0.059	0.031	0.014	0.035	0.031	0.003	0.17314	
532801.39	4255883.33	0.060	0.032	0.023	0.050	0.023	0.003	0.18987	
532815.67	4255858.55	0.049	0.026	0.019	0.037	0.018	0.003	0.15117	
532829.67	4255901.7	0.053	0.028	0.027	0.040	0.018	0.002	0.16802	
532846.58	4255878.38	0.043	0.023	0.022	0.030	0.014	0.002	0.13371	
532864.66	4255855.93	0.036	0.019	0.019	0.023	0.011	0.002	0.10925	
532838.12	4255838.72	0.039	0.021	0.017	0.027	0.014	0.002	0.12017	
532866.42	4255959.35	0.052	0.027	0.034	0.024	0.014	0.002	0.15264	
532871.67	4255990.02	0.056	0.030	0.039	0.026	0.014	0.002	0.16606	
532871.67	4255933.93	0.045	0.024	0.029	0.021	0.013	0.002	0.13247	
532882.16	4255912.94	0.038	0.020	0.024	0.019	0.011	0.002	0.11425	
532899.11	4255889.13	0.031	0.016	0.019	0.015	0.009	0.002	0.09271	
532916.87	4255985.98	0.036	0.019	0.025	0.014	0.010	0.002	0.10486	
532930.18	4255965	0.030	0.016	0.020	0.011	0.008	0.001	0.08704	
532916.46	4255866.54	0.026	0.014	0.016	0.013	0.007	0.002	0.07637	
532930.18	4255845.95	0.022	0.012	0.013	0.011	0.006	0.001	0.06563	
532944.71	4255935.95	0.025	0.013	0.017	0.009	0.007	0.001	0.07146	
532958.43	4255906.08	0.021	0.011	0.014	0.007	0.006	0.001	0.05960	
532970.94	4255886.31	0.018	0.010	0.012	0.007	0.005	0.001	0.05186	
532946.32	4255819.72	0.019	0.010	0.011	0.009	0.005	0.001	0.05556	
532991.12	4255858.46	0.015	0.008	0.010	0.006	0.004	0.001	0.04378	
533010.89	4255843.13	0.013	0.007	0.008	0.005	0.003	0.001	0.03807	
532884.58	4255809.23	0.025	0.013	0.013	0.015	0.008	0.002	0.07598	
532851.89	4255793.49	0.028	0.015	0.012	0.018	0.010	0.002	0.08477	
532824.05	4255791.48	0.035	0.019	0.012	0.022	0.014	0.002	0.10513	
533034.3	4255820.94	0.011	0.006	0.007	0.004	0.003	0.001	0.03224	
533054.47	4255804.39	0.010	0.005	0.006	0.004	0.002	0.001	0.02813	
532909.2	4256052.57	0.052	0.028	0.040	0.024	0.011	0.002	0.15621	
532944.71	4256040.06	0.035	0.019	0.024	0.015	0.008	0.002	0.10325	
532966.5	4256021.09	0.028	0.015	0.018	0.011	0.007	0.001	0.07981	
532997.98	4256021.9	0.022	0.012	0.014	0.009	0.006	0.001	0.06402	
532950.36	4256084.85	0.041	0.021	0.030	0.018	0.008	0.002	0.11971	
532990.71	4256062.25	0.026	0.014	0.017	0.011	0.007	0.001	0.07679	
533036.72	4256020.29	0.017	0.009	0.010	0.007	0.005	0.001	0.04827	
533057.7	4256017.06	0.015	0.008	0.008	0.006	0.004	0.001	0.04174	
533018.96	4255976.7	0.017	0.009	0.010	0.006	0.005	0.001	0.04851	
533047.61	4255967.02	0.014	0.007	0.008	0.005	0.004	0.001	0.03911	
532985.47	4255968.23	0.021	0.011	0.013	0.007	0.006	0.001	0.05857	
533002.01	4255941.59	0.017	0.009	0.011	0.005	0.005	0.001	0.04797	
533019.77	4255916.58	0.014	0.007	0.009	0.005	0.004	0.001	0.04006	
533030.26	4255895.99	0.013	0.007	0.008	0.004	0.004	0.001	0.03608	
533059.72	4255876.22	0.010	0.005	0.007	0.003	0.003	0.001	0.02950	
533068.19	4255956.12	0.012	0.006	0.007	0.004	0.004	0.001	0.03375	
533085.55	4256006.57	0.012	0.007	0.007	0.005	0.004	0.001	0.03507	
533113.79	4255991.23	0.010	0.006	0.006	0.004	0.003	0.001	0.02963	
533090.79	4255942.81	0.010	0.006	0.006	0.003	0.003	0.001	0.02937	
533138.01	4255979.93	0.009	0.005	0.005	0.003	0.003	0.001	0.02590	
533115.01	4255927.07	0.009	0.005	0.005	0.003	0.003	0.001	0.02540	
533156.17	4255967.02	0.008	0.004	0.004	0.003	0.003	0.001	0.02323	
533137.2	4255912.14	0.008	0.004	0.004	0.003	0.002	0.001	0.02227	
532524.44	4256235.64	0.192	0.101	0.051	0.144	0.037	0.052	0.57782	
532509.17	4256223.67	0.213	0.112	0.033	0.156	0.040	0.069	0.62333	
532492.71	4256241.32	0.199	0.105	0.025	0.106	0.035	0.080	0.54975	
532478.35	4256259.28	0.180	0.095	0.020	0.076	0.031	0.082	0.48470	
532464.28	4256274.25	0.168	0.089	0.017	0.059	0.027	0.084	0.44335	
532544.49	4256258.08	0.171	0.090	0.078	0.118	0.032	0.037	0.52623	
532451.71	4256294.9	0.149	0.079	0.015	0.046	0.024	0.079	0.39168	

Elnoka Construction DPM Emissions — **no mitigation, fugitive dust control**

Chronic Non-Cancer Hazard Index — **at Sensitive Receptors**

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X	Y	2020 DPM	2021 DPM	2022 DPM	2023 DPM	2024 DPM	2025 DPM		
(m)	(m)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	Max	CNCHI
532862.29	4256047.72	2.90E-02	1.53E-02	2.36E-02	0.015147	0.005116	0.000812	2.90E-02	0.00580
532839.56	4256029.53	3.34E-02	1.76E-02	2.60E-02	0.020572	0.00623	0.000866	3.34E-02	0.00667
532820.46	4255995.88	3.44E-02	1.82E-02	2.37E-02	0.024428	0.007531	0.000911	3.44E-02	0.00689
532825.92	4255944.04	2.40E-02	1.27E-02	1.38E-02	0.016485	0.006962	0.000842	2.40E-02	0.00479
532789.54	4255936.77	3.13E-02	1.65E-02	1.30E-02	0.03231	0.010627	0.001016	3.23E-02	0.00646
532768.62	4255908.57	3.04E-02	1.61E-02	8.81E-03	0.028743	0.013742	0.001124	3.04E-02	0.00609
532752.25	4255856.74	2.63E-02	1.39E-02	5.43E-03	0.015206	0.015424	0.001254	2.63E-02	0.00526
532784.99	4255815.81	1.75E-02	9.21E-03	4.70E-03	0.010601	0.008435	0.001066	1.75E-02	0.00349
532752.41	4255882.75	3.01E-02	1.59E-02	6.57E-03	0.020372	0.016952	0.001241	3.01E-02	0.00601
532771.07	4255831.73	2.05E-02	1.08E-02	4.97E-03	0.012251	0.01066	0.001143	2.05E-02	0.00409
532801.39	4255883.33	2.08E-02	1.10E-02	7.89E-03	0.017405	0.008086	0.000947	2.08E-02	0.00416
532815.67	4255858.55	1.69E-02	8.93E-03	6.66E-03	0.012852	0.006404	0.000887	1.69E-02	0.00338
532829.67	4255901.7	1.86E-02	9.82E-03	9.31E-03	0.013855	0.006131	0.000815	1.86E-02	0.00372
532846.58	4255878.38	1.50E-02	7.93E-03	7.65E-03	0.010368	0.004861	0.000752	1.50E-02	0.00300
532864.66	4255855.93	1.24E-02	6.55E-03	6.45E-03	0.008038	0.003898	0.000697	1.24E-02	0.00248
532838.12	4255838.72	1.36E-02	7.18E-03	5.89E-03	0.009573	0.004801	0.000798	1.36E-02	0.00272
532866.42	4255959.35	1.79E-02	9.48E-03	1.20E-02	0.008208	0.004879	0.000686	1.79E-02	0.00359
532871.67	4255990.02	1.95E-02	1.03E-02	1.37E-02	0.008917	0.004829	0.000689	1.95E-02	0.00389
532871.67	4255933.93	1.55E-02	8.19E-03	9.93E-03	0.007409	0.004446	0.00066	1.55E-02	0.00310
532882.16	4255912.94	1.33E-02	7.05E-03	8.36E-03	0.006554	0.003857	0.000627	1.33E-02	0.00267
532899.11	4255889.13	1.08E-02	5.73E-03	6.71E-03	0.005342	0.003096	0.000575	1.08E-02	0.00217
532916.87	4255985.98	1.26E-02	6.64E-03	8.61E-03	0.004823	0.003328	0.000549	1.26E-02	0.00251
532930.18	4255965	1.05E-02	5.56E-03	7.08E-03	0.003764	0.00288	0.000503	1.05E-02	0.00211
532916.46	4255866.54	8.95E-03	4.73E-03	5.49E-03	0.004398	0.002505	0.00053	8.95E-03	0.00179
532930.18	4255845.95	7.69E-03	4.07E-03	4.68E-03	0.003804	0.002119	0.000498	7.69E-03	0.00154
532944.71	4255935.95	8.67E-03	4.58E-03	5.75E-03	0.003017	0.002406	0.000459	8.67E-03	0.00173
532958.43	4255906.08	7.21E-03	3.81E-03	4.73E-03	0.002595	0.001988	0.000423	7.21E-03	0.00144
532970.94	4255886.31	6.26E-03	3.31E-03	4.07E-03	0.002321	0.001702	0.000396	6.26E-03	0.00125
532946.32	4255819.72	6.52E-03	3.45E-03	3.91E-03	0.003246	0.00176	0.000465	6.52E-03	0.00130
532991.12	4255858.46	5.27E-03	2.79E-03	3.39E-03	0.002043	0.001394	0.000366	5.27E-03	0.00105
533010.89	4255843.13	4.58E-03	2.42E-03	2.94E-03	0.001784	0.001195	0.00034	4.58E-03	0.00092
532884.58	4255809.23	8.75E-03	4.62E-03	4.41E-03	0.005353	0.002705	0.000615	8.75E-03	0.00175
532851.89	4255793.49	9.80E-03	5.18E-03	4.12E-03	0.006264	0.003448	0.000719	9.80E-03	0.00196
532824.05	4255791.48	1.23E-02	6.48E-03	4.30E-03	0.007776	0.004937	0.000865	1.23E-02	0.00245
533034.3	4255820.94	3.88E-03	2.05E-03	2.47E-03	0.001531	0.000988	0.000311	3.88E-03	0.00078
533054.47	4255804.39	3.39E-03	1.79E-03	2.15E-03	0.00134	0.000848	0.000287	3.39E-03	0.00068
532909.2	4256052.57	1.82E-02	9.64E-03	1.39E-02	0.008271	0.003686	0.000672	1.82E-02	0.00365
532944.71	4256040.06	1.23E-02	6.47E-03	8.51E-03	0.005213	0.002951	0.000558	1.23E-02	0.00245
532966.5	4256021.09	9.58E-03	5.06E-03	6.30E-03	0.00382	0.00255	0.000489	9.58E-03	0.00192
532997.98	4256021.9	7.74E-03	4.09E-03	4.84E-03	0.003056	0.002137	0.000444	7.74E-03	0.00155
532950.36	4256084.85	1.41E-02	7.46E-03	1.04E-02	0.006223	0.002815	0.000636	1.41E-02	0.00283
532990.71	4256062.25	9.19E-03	4.85E-03	5.93E-03	0.003993	0.002274	0.000512	9.19E-03	0.00184
533036.72	4256020.29	5.88E-03	3.11E-03	3.42E-03	0.002297	0.001732	0.000388	5.88E-03	0.00118
533057.7	4256017.06	5.10E-03	2.69E-03	2.87E-03	0.001979	0.001542	0.00036	5.10E-03	0.00102
533018.96	4255976.7	5.95E-03	3.14E-03	3.65E-03	0.002067	0.001723	0.000372	5.95E-03	0.00119
533047.61	4255967.02	4.82E-03	2.54E-03	2.86E-03	0.001644	0.001431	0.000331	4.82E-03	0.00096
532985.47	4255968.23	7.16E-03	3.78E-03	4.59E-03	0.002443	0.002017	0.000408	7.16E-03	0.00143
533002.01	4255941.59	5.89E-03	3.12E-03	3.75E-03	0.001913	0.001674	0.000364	5.89E-03	0.00118
533019.77	4255916.58	4.93E-03	2.61E-03	3.12E-03	0.00158	0.001388	0.000329	4.93E-03	0.00099
533030.26	4255895.99	4.43E-03	2.34E-03	2.82E-03	0.001444	0.001228	0.000312	4.43E-03	0.00089
533059.72	4255876.22	3.62E-03	1.91E-03	2.28E-03	0.00119	0.000992	0.000277	3.62E-03	0.00072
533068.19	4255956.12	4.17E-03	2.20E-03	2.43E-03	0.001398	0.001251	0.000304	4.17E-03	0.00083
533085.55	4256006.57	4.31E-03	2.27E-03	2.34E-03	0.001633	0.001334	0.000327	4.31E-03	0.00086
533113.79	4255991.23	3.66E-03	1.93E-03	1.94E-03	0.001345	0.001151	0.000295	3.66E-03	0.00073
533090.79	4255942.81	3.64E-03	1.92E-03	2.09E-03	0.001201	0.001096	0.00028	3.64E-03	0.00073
533138.01	4255979.93	3.21E-03	1.69E-03	1.67E-03	0.001159	0.001019	0.000272	3.21E-03	0.00064
533115.01	4255927.07	3.15E-03	1.67E-03	1.80E-03	0.001026	0.000949	0.000257	3.15E-03	0.00063
533156.17	4255967.02	2.88E-03	1.52E-03	1.49E-03	0.001022	0.000918	0.000254	2.88E-03	0.00058
533137.2	4255912.14	2.77E-03	1.46E-03	1.56E-03	0.000893	0.00083	0.000237	2.77E-03	0.00055
532524.44	4256235.64	6.70E-02	3.54E-02	1.79E-02	0.050285	0.012845	0.017939	6.70E-02	0.01339
532509.17	4256223.67	7.41E-02	3.91E-02	1.15E-02	0.054215	0.014052	0.024144	7.41E-02	0.01481
532492.71	4256241.32	6.92E-02	3.65E-02	8.64E-03	0.037055	0.01232	0.027765	6.92E-02	0.01384
532478.35	4256259.28	6.28E-02	3.32E-02	6.99E-03	0.026575	0.010703	0.028548	6.28E-02	0.01257
532464.28	4256274.25	5.84E-02	3.09E-02	5.82E-03	0.020478	0.009522	0.029296	5.84E-02	0.01169
532544.49	4256258.08	5.94E-02	3.14E-02	2.72E-02	0.041123	0.011042	0.013026	5.94E-02	0.01189
532451.71	4256294.9	5.20E-02	2.75E-02	5.18E-03	0.015928	0.008256	0.027632	5.20E-02	0.01040
532437.65	4256313.75	4.71E-02	2.49E-02	4.54E-03	0.012746	0.007255	0.026467	4.71E-02	0.00943
532389.76	4256310.76	5.36E-02	2.83E-02	2.48E-03	0.008072	0.006315	0.036781	5.36E-02	0.01072
532404.75	4256293.03	5.93E-02	3.13E-02	2.72E-03	0.009774	0.007191	0.039628	5.93E-02	0.01185
532175.23	4256196.06	1.91E-02	1.01E-02	3.27E-04	0.000655	0.00224	0.014044	1.91E-02	0.00383
532165.28	4256184.87	1.57E-02	8.26E-03	3.03E-04	0.000586	0.002056	0.011093	1.57E-02	0.00313
532120.55	4256157.12	6.00E-03	3.17E-03	2.32E-04	0.000404	0.001375	0.003407	6.00E-03	0.00120
532513.25	4256183.63	9.62E-02	5.08E-02	7.99E-03	0.112822	0.019155	0.025261	1.13E-01	0.02256

Maximum
0.06

BAAQMD's Significance Thresholds
1.0

Exceed Thresholds?
No

532534.79	4256190.67	8.73E-02	4.61E-02	2.11E-02	0.104408	0.017641	0.016883	1.04E-01	0.02088
532551.36	4256205.17	8.05E-02	4.25E-02	3.94E-02	0.081567	0.015484	0.013221	8.16E-02	0.01631
532567.51	4256226.3	7.68E-02	4.05E-02	5.43E-02	0.059744	0.013068	0.01068	7.68E-02	0.01535
532577.87	4256251.57	7.16E-02	3.78E-02	5.85E-02	0.044246	0.010992	0.009278	7.16E-02	0.01432
532423.77	4256334.42	4.23E-02	2.23E-02	4.06E-03	0.0104	0.006366	0.024686	4.23E-02	0.00846
532306.13	4256321.16	4.80E-02	2.54E-02	1.14E-03	0.003381	0.004256	0.038374	4.80E-02	0.00961
532332.64	4256344.36	4.19E-02	2.21E-02	1.59E-03	0.004474	0.004457	0.03109	4.19E-02	0.00837
532365.78	4256346.43	4.16E-02	2.20E-02	2.21E-03	0.006075	0.005031	0.028893	4.16E-02	0.00833
532374.89	4256332.34	4.62E-02	2.44E-02	2.31E-03	0.006741	0.005486	0.032049	4.62E-02	0.00925
532393.12	4256371.28	3.46E-02	1.83E-02	3.18E-03	0.007246	0.005018	0.021458	3.46E-02	0.00691
532404.72	4256354.71	3.81E-02	2.01E-02	3.45E-03	0.008322	0.005543	0.02332	3.81E-02	0.00762
532556.33	4256278.08	5.55E-02	2.93E-02	3.14E-02	0.034036	0.009724	0.010823	5.55E-02	0.01109
532219.49	4255941.37	6.32E-03	3.34E-03	2.64E-04	0.000389	0.00158	0.003387	6.32E-03	0.00126
532133.49	4256010.18	3.24E-03	1.71E-03	1.86E-04	0.00028	0.000948	0.001491	3.24E-03	0.00065
532834.4	4256230.11	0.00E+00	0.00E+00	0.00E+00	0.013821	0.004094	0.001456	1.38E-02	0.00276
532856.7	4256218.96	0.00E+00	0.00E+00	0.00E+00	0.012054	0.003769	0.001273	1.21E-02	0.00241
532882.73	4256205.33	0.00E+00	0.00E+00	0.00E+00	0.0102	0.003415	0.001096	1.02E-02	0.00204
532877.77	4256187.98	0.00E+00	0.00E+00	0.00E+00	0.01118	0.00363	0.001083	1.12E-02	0.00224
532841.83	4256204.09	0.00E+00	0.00E+00	0.00E+00	0.014464	0.004225	0.001334	1.45E-02	0.00289
532812.1	4256218.96	0.00E+00	0.00E+00	0.00E+00	0.017445	0.00475	0.001609	1.74E-02	0.00349
532726.6	4256157	0.00E+00	0.00E+00	0.00E+00	0.053241	0.009798	0.002332	5.32E-02	0.01065
532748.9	4256153.28	0.00E+00	0.00E+00	0.00E+00	0.046052	0.008632	0.001992	4.61E-02	0.00921
532768.73	4256137.18	0.00E+00	0.00E+00	0.00E+00	0.043686	0.008013	0.001688	4.37E-02	0.00874
532787.31	4256123.54	0.00E+00	0.00E+00	0.00E+00	0.039355	0.007344	0.001462	3.94E-02	0.00787
532810.86	4256103.72	0.00E+00	0.00E+00	0.00E+00	0.032717	0.006574	0.001224	3.27E-02	0.00654
532799.7	4256081.41	0.00E+00	0.00E+00	0.00E+00	0.045231	0.007652	0.001223	4.52E-02	0.00905
532782.36	4256066.55	0.00E+00	0.00E+00	0.00E+00	0.0686	0.009283	0.001287	6.86E-02	0.01372
532776.16	4256036.81	0.00E+00	0.00E+00	0.00E+00	0.099075	0.010894	0.00123	9.91E-02	0.01981
532746.42	4256055.39	0.00E+00	0.00E+00	0.00E+00	0.133434	0.013817	0.001507	1.33E-01	0.02669
532715.44	4256075.22	0.00E+00	0.00E+00	0.00E+00	0.149758	0.016402	0.001952	1.50E-01	0.02995
532693.14	4256092.57	0.00E+00	0.00E+00	0.00E+00	0.14863	0.017535	0.002408	1.49E-01	0.02973
532709.25	4256142.13	0.00E+00	0.00E+00	0.00E+00	0.069722	0.011708	0.002514	6.97E-02	0.01394
532699.34	4256121.07	0.00E+00	0.00E+00	0.00E+00	0.095398	0.013992	0.002519	9.54E-02	0.01908
532756.85	4255990.46	0.00E+00	0.00E+00	0.00E+00	0	0.016473	0.001257	1.65E-02	0.00329
532737.31	4255956.13	0.00E+00	0.00E+00	0.00E+00	0	0.027785	0.001349	2.78E-02	0.00556
532739.68	4256007.03	0.00E+00	0.00E+00	0.00E+00	0	0.019379	0.00142	1.94E-02	0.00388
532707.13	4255970.93	0.00E+00	0.00E+00	0.00E+00	0	0.042747	0.001629	4.27E-02	0.00855
532687	4255986.91	0.00E+00	0.00E+00	0.00E+00	0	0.048355	0.001892	4.84E-02	0.00967
532663.33	4256007.03	0.00E+00	0.00E+00	0.00E+00	0	0.052294	0.00229	5.23E-02	0.01046
532643.2	4256024.2	0.00E+00	0.00E+00	0.00E+00	0	0.053516	0.00275	5.35E-02	0.01070
532622.49	4256040.77	0.00E+00	0.00E+00	0.00E+00	0	0.053892	0.003369	5.39E-02	0.01078
532597.04	4256054.38	0.00E+00	0.00E+00	0.00E+00	0	0.054355	0.00449	5.44E-02	0.01087
532571.59	4256061.49	0.00E+00	0.00E+00	0.00E+00	0	0.05864	0.005982	5.86E-02	0.01173
532536.67	4256078.06	0.00E+00	0.00E+00	0.00E+00	0	0.057306	0.009848	5.73E-02	0.01146
532501.15	4256097	0.00E+00	0.00E+00	0.00E+00	0	0.051605	0.018731	5.16E-02	0.01032
532489.32	4256120.08	0.00E+00	0.00E+00	0.00E+00	0	0.038472	0.029036	3.85E-02	0.00769
532499.97	4256141.98	0.00E+00	0.00E+00	0.00E+00	0	0.02903	0.028057	2.90E-02	0.00581
532511.22	4256140.2	0.00E+00	0.00E+00	0.00E+00	0	0.029274	0.021567	2.93E-02	0.00585
532530.82	4256123.84	0.00E+00	0.00E+00	0.00E+00	0	0.033374	0.013973	3.34E-02	0.00667
532551.53	4256111.32	0.00E+00	0.00E+00	0.00E+00	0	0.035542	0.009648	3.55E-02	0.00711
532575.21	4256090.96	0.00E+00	0.00E+00	0.00E+00	0	0.040009	0.006544	4.00E-02	0.00800
532604.8	4256074.32	0.00E+00	0.00E+00	0.00E+00	0	0.040467	0.004475	4.05E-02	0.00809
532648.3	4256054.3	0.00E+00	0.00E+00	0.00E+00	0	0.035433	0.002906	3.54E-02	0.00709
532685.23	4256040.18	0.00E+00	0.00E+00	0.00E+00	0	0.028908	0.002124	2.89E-02	0.00578
532708.31	4256027.16	0.00E+00	0.00E+00	0.00E+00	0	0.025296	0.001765	2.53E-02	0.00506
532560.39	4255753.8	0.00E+00	0.00E+00	0.00E+00	0	0	0.003153	3.15E-03	0.00063
532538.78	4255727.86	0.00E+00	0.00E+00	0.00E+00	0	0	0.003065	3.06E-03	0.00061
532492.68	4255784.05	0.00E+00	0.00E+00	0.00E+00	0	0	0.004355	4.35E-03	0.00087
532391.83	4255828.71	0.00E+00	0.00E+00	0.00E+00	0	0	0.006014	6.01E-03	0.00120
532435.05	4255808.54	0.00E+00	0.00E+00	0.00E+00	0	0	0.0054	5.40E-03	0.00108
532492.68	4255748.03	0.00E+00	0.00E+00	0.00E+00	0	0	0.003673	3.67E-03	0.00073
532678.53	4255861.85	0.00E+00	0.00E+00	0.00E+00	0	0	0.001919	1.92E-03	0.00038
532643.96	4255815.75	0.00E+00	0.00E+00	0.00E+00	0	0	0.002492	2.49E-03	0.00050
532589.21	4255838.8	0.00E+00	0.00E+00	0.00E+00	0	0	0.003623	3.62E-03	0.00072
532618.02	4255896.43	0.00E+00	0.00E+00	0.00E+00	0	0	0.002844	2.84E-03	0.00057
532582	4255932.45	0.00E+00	0.00E+00	0.00E+00	0	0	0.003643	3.64E-03	0.00073
532548.87	4255943.97	0.00E+00	0.00E+00	0.00E+00	0	0	0.004716	4.72E-03	0.00094
532498.44	4255961.26	0.00E+00	0.00E+00	0.00E+00	0	0	0.007201	7.20E-03	0.00144
532452.34	4255982.87	0.00E+00	0.00E+00	0.00E+00	0	0	0.011926	1.19E-02	0.00239
532400.47	4255931.01	0.00E+00	0.00E+00	0.00E+00	0	0	0.018066	1.81E-02	0.00361
532455.22	4255923.8	0.00E+00	0.00E+00	0.00E+00	0	0	0.010656	1.07E-02	0.00213
532491.24	4255905.07	0.00E+00	0.00E+00	0.00E+00	0	0	0.007442	7.44E-03	0.00149
532518.61	4255887.79	0.00E+00	0.00E+00	0.00E+00	0	0	0.006116	6.12E-03	0.00122
532547.43	4255867.61	0.00E+00	0.00E+00	0.00E+00	0	0	0.004935	4.94E-03	0.00099
CONCUNIT ug/m^3		0.00E+00	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00000
DEPUNIT g/m ^2		0.00E+00	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00000

Elnoka Construction DPM Emissions

Annual Emissions

no mitigation, fugitive dust control
at Sensitive Receptors

Annual Average PM2.5 (Exhaust + Fugitive Dust)

X (m)	Y (m)	2020 PM2.5 (ug/m3)	2021 PM2.5 (ug/m3)	2022 PM2.5 (ug/m3)	2023 PM2.5 (ug/m3)	2024 PM2.5 (ug/m3)	2025 PM2.5 (ug/m3)	Max PM2.5 (ug/m3)
532862.29	4256047.72	0.048	0.016	0.024	0.015	0.005	0.001	0.04770
532839.56	4256029.53	0.055	0.019	0.026	0.021	0.006	0.001	0.05482
532820.46	4255995.88	0.057	0.019	0.024	0.024	0.008	0.001	0.05655
532825.92	4255944.04	0.039	0.013	0.014	0.016	0.007	0.001	0.03936
532789.54	4255936.77	0.051	0.017	0.013	0.032	0.011	0.001	0.05133
532768.62	4255908.57	0.050	0.017	0.009	0.029	0.014	0.001	0.04993
532752.25	4255856.74	0.043	0.014	0.005	0.015	0.016	0.001	0.04313
532784.99	4255815.81	0.029	0.010	0.005	0.011	0.009	0.001	0.02865
532752.41	4255882.75	0.049	0.016	0.007	0.020	0.017	0.001	0.04928
532771.07	4255831.73	0.034	0.011	0.005	0.012	0.011	0.001	0.03359
532801.39	4255883.33	0.034	0.012	0.008	0.017	0.008	0.001	0.03421
532815.67	4255858.55	0.028	0.009	0.007	0.013	0.006	0.001	0.02777
532829.67	4255901.7	0.031	0.011	0.009	0.014	0.006	0.001	0.03056
532846.58	4255878.38	0.025	0.008	0.008	0.010	0.005	0.001	0.02466
532864.66	4255855.93	0.020	0.007	0.006	0.008	0.004	0.001	0.02041
532838.12	4255838.72	0.022	0.008	0.006	0.010	0.005	0.001	0.02236
532866.42	4255959.35	0.030	0.010	0.012	0.008	0.005	0.001	0.02951
532871.67	4255990.02	0.032	0.011	0.014	0.009	0.005	0.001	0.03206
532871.67	4255933.93	0.026	0.009	0.010	0.007	0.005	0.001	0.02552
532882.16	4255912.94	0.022	0.008	0.008	0.007	0.004	0.001	0.02199
532899.11	4255889.13	0.018	0.006	0.007	0.005	0.003	0.001	0.01784
532916.87	4255985.98	0.021	0.007	0.009	0.005	0.003	0.001	0.02073
532930.18	4255965	0.017	0.006	0.007	0.004	0.003	0.001	0.01738
532916.46	4255866.54	0.015	0.005	0.006	0.004	0.003	0.001	0.01474
532930.18	4255845.95	0.013	0.005	0.005	0.004	0.002	0.001	0.01269
532944.71	4255935.95	0.014	0.005	0.006	0.003	0.002	0.001	0.01429
532958.43	4255906.08	0.012	0.004	0.005	0.003	0.002	0.000	0.01191
532970.94	4255886.31	0.010	0.004	0.004	0.002	0.002	0.000	0.01035
532946.32	4255819.72	0.011	0.004	0.004	0.003	0.002	0.001	0.01078
532991.12	4255858.46	0.009	0.003	0.003	0.002	0.001	0.000	0.00873
533010.89	4255843.13	0.008	0.003	0.003	0.002	0.001	0.000	0.00755
532884.58	4255809.23	0.014	0.005	0.004	0.005	0.003	0.001	0.01443
532851.89	4255793.49	0.016	0.006	0.004	0.006	0.004	0.001	0.01614
532824.05	4255791.48	0.020	0.007	0.004	0.008	0.005	0.001	0.02017
533034.3	4255820.94	0.006	0.002	0.002	0.002	0.001	0.000	0.00640
533054.47	4255804.39	0.006	0.002	0.002	0.001	0.001	0.000	0.00559
532909.2	4256052.57	0.030	0.011	0.014	0.008	0.004	0.001	0.03005
532944.71	4256040.06	0.020	0.007	0.009	0.005	0.003	0.001	0.02021
532966.5	4256021.09	0.016	0.006	0.006	0.004	0.003	0.001	0.01577
532997.98	4256021.9	0.013	0.005	0.005	0.003	0.002	0.000	0.01276
532950.36	4256084.85	0.023	0.008	0.011	0.006	0.003	0.001	0.02327
532990.71	4256062.25	0.015	0.005	0.006	0.004	0.002	0.001	0.01514
533036.72	4256020.29	0.010	0.004	0.003	0.002	0.002	0.000	0.00972
533057.7	4256017.06	0.008	0.003	0.003	0.002	0.002	0.000	0.00839
533018.96	4255976.7	0.010	0.004	0.004	0.002	0.002	0.000	0.00983
533047.61	4255967.02	0.008	0.003	0.003	0.002	0.001	0.000	0.00793
532985.47	4255968.23	0.012	0.004	0.005	0.002	0.002	0.000	0.01181
533002.01	4255941.59	0.010	0.004	0.004	0.002	0.002	0.000	0.00975
533019.77	4255916.58	0.008	0.003	0.003	0.002	0.001	0.000	0.00817
533030.26	4255895.99	0.007	0.003	0.003	0.001	0.001	0.000	0.00730
533059.72	4255876.22	0.006	0.002	0.002	0.001	0.001	0.000	0.00598
533068.19	4255956.12	0.007	0.002	0.002	0.001	0.001	0.000	0.00687
533085.55	4256006.57	0.007	0.003	0.002	0.002	0.001	0.000	0.00710
533113.79	4255991.23	0.006	0.002	0.002	0.001	0.001	0.000	0.00603
533090.79	4255942.81	0.006	0.002	0.002	0.001	0.001	0.000	0.00601
533138.01	4255979.93	0.005	0.002	0.002	0.001	0.001	0.000	0.00530
533115.01	4255927.07	0.005	0.002	0.002	0.001	0.001	0.000	0.00521
533156.17	4255967.02	0.005	0.002	0.002	0.001	0.001	0.000	0.00477
533137.2	4255912.14	0.005	0.002	0.002	0.001	0.001	0.000	0.00458
532524.44	4256235.64	0.110	0.038	0.018	0.050	0.014	0.018	0.11009
532509.17	4256223.67	0.122	0.041	0.012	0.054	0.016	0.025	0.12162
532492.71	4256241.32	0.114	0.039	0.009	0.037	0.014	0.028	0.11367
532478.35	4256259.28	0.103	0.036	0.007	0.027	0.012	0.029	0.10335
532464.28	4256274.25	0.096	0.033	0.006	0.020	0.010	0.030	0.09617
532544.49	4256258.08	0.098	0.035	0.028	0.041	0.012	0.014	0.09804

Maximum
0.16 ug/m3

BAAQMD's Significance Thresholds
0.3 ug/m3

Exceed Thresholds?
No

532451.71	4256294.9	0.086	0.030	0.005	0.016	0.009	0.028	0.08571
532437.65	4256313.75	0.078	0.028	0.005	0.013	0.008	0.027	0.07787
532389.76	4256310.76	0.088	0.031	0.003	0.008	0.007	0.037	0.08824
532404.75	4256293.03	0.097	0.033	0.003	0.010	0.008	0.040	0.09739
532175.23	4256196.06	0.031	0.010	0.000	0.001	0.002	0.014	0.03135
532165.28	4256184.87	0.026	0.008	0.000	0.001	0.002	0.011	0.02566
532120.55	4256157.12	0.010	0.003	0.000	0.000	0.001	0.003	0.00986
532513.25	4256183.63	0.158	0.052	0.008	0.113	0.022	0.026	0.15772
532534.79	4256190.67	0.143	0.048	0.021	0.104	0.020	0.018	0.14315
532551.36	4256205.17	0.132	0.045	0.040	0.082	0.017	0.014	0.13216
532567.51	4256226.3	0.126	0.044	0.055	0.060	0.014	0.011	0.12623
532577.87	4256251.57	0.118	0.042	0.059	0.044	0.012	0.010	0.11804
532423.77	4256334.42	0.070	0.026	0.004	0.010	0.007	0.025	0.06996
532306.13	4256321.16	0.079	0.026	0.001	0.003	0.004	0.038	0.07882
532332.64	4256344.36	0.069	0.024	0.002	0.004	0.005	0.031	0.06888
532365.78	4256346.43	0.069	0.025	0.002	0.006	0.005	0.029	0.06868
532374.89	4256332.34	0.076	0.027	0.003	0.007	0.006	0.032	0.07615
532393.12	4256371.28	0.058	0.022	0.004	0.007	0.005	0.022	0.05751
532404.72	4256354.71	0.063	0.024	0.004	0.008	0.006	0.024	0.06315
532556.33	4256278.08	0.092	0.034	0.032	0.034	0.010	0.011	0.09181
532219.49	4255941.37	0.010	0.004	0.000	0.000	0.002	0.003	0.01039
532133.49	4256010.18	0.005	0.002	0.000	0.000	0.001	0.002	0.00535
532834.4	4256230.11	0.000	0.000	0.000	0.014	0.005	0.002	0.01384
532856.7	4256218.96	0.000	0.000	0.000	0.012	0.004	0.002	0.01207
532882.73	4256205.33	0.000	0.000	0.000	0.010	0.004	0.001	0.01021
532877.77	4256187.98	0.000	0.000	0.000	0.011	0.004	0.001	0.01119
532841.83	4256204.09	0.000	0.000	0.000	0.014	0.005	0.002	0.01448
532812.1	4256218.96	0.000	0.000	0.000	0.017	0.005	0.002	0.01747
532726.6	4256157	0.000	0.000	0.000	0.053	0.012	0.004	0.05333
532748.9	4256153.28	0.000	0.000	0.000	0.046	0.010	0.003	0.04610
532768.73	4256137.18	0.000	0.000	0.000	0.044	0.009	0.002	0.04371
532787.31	4256123.54	0.000	0.000	0.000	0.039	0.008	0.002	0.03937
532810.86	4256103.72	0.000	0.000	0.000	0.033	0.007	0.002	0.03273
532799.7	4256081.41	0.000	0.000	0.000	0.045	0.008	0.001	0.04524
532782.36	4256066.55	0.000	0.000	0.000	0.069	0.010	0.002	0.06861
532776.16	4256036.81	0.000	0.000	0.000	0.099	0.011	0.001	0.09908
532746.42	4256055.39	0.000	0.000	0.000	0.133	0.014	0.002	0.13345
532715.44	4256075.22	0.000	0.000	0.000	0.150	0.017	0.003	0.14978
532693.14	4256092.57	0.000	0.000	0.000	0.149	0.019	0.004	0.14867
532709.25	4256142.13	0.000	0.000	0.000	0.070	0.014	0.005	0.06983
532699.34	4256121.07	0.000	0.000	0.000	0.095	0.016	0.004	0.09549
532756.85	4255990.46	0.000	0.000	0.000	0.000	0.017	0.001	0.01669
532737.31	4255956.13	0.000	0.000	0.000	0.000	0.028	0.001	0.02796
532739.68	4256007.03	0.000	0.000	0.000	0.000	0.020	0.002	0.01964
532707.13	4255970.93	0.000	0.000	0.000	0.000	0.043	0.002	0.04296
532687	4255986.91	0.000	0.000	0.000	0.000	0.049	0.002	0.04859
532663.33	4256007.03	0.000	0.000	0.000	0.000	0.053	0.003	0.05262
532643.2	4256024.2	0.000	0.000	0.000	0.000	0.054	0.003	0.05391
532622.49	4256040.77	0.000	0.000	0.000	0.000	0.054	0.004	0.05432
532597.04	4256054.38	0.000	0.000	0.000	0.000	0.055	0.005	0.05483
532571.59	4256061.49	0.000	0.000	0.000	0.000	0.059	0.006	0.05907
532536.67	4256078.06	0.000	0.000	0.000	0.000	0.058	0.010	0.05772
532501.15	4256097	0.000	0.000	0.000	0.000	0.052	0.019	0.05204
532489.32	4256120.08	0.000	0.000	0.000	0.000	0.039	0.029	0.03908
532499.97	4256141.98	0.000	0.000	0.000	0.000	0.030	0.028	0.03018
532511.22	4256140.2	0.000	0.000	0.000	0.000	0.031	0.022	0.03059
532530.82	4256123.84	0.000	0.000	0.000	0.000	0.034	0.015	0.03448
532551.53	4256111.32	0.000	0.000	0.000	0.000	0.037	0.010	0.03662
532575.21	4256090.96	0.000	0.000	0.000	0.000	0.041	0.007	0.04085
532604.8	4256074.32	0.000	0.000	0.000	0.000	0.041	0.005	0.04129
532648.3	4256054.3	0.000	0.000	0.000	0.000	0.036	0.004	0.03621
532685.23	4256040.18	0.000	0.000	0.000	0.000	0.029	0.003	0.02941
532708.31	4256027.16	0.000	0.000	0.000	0.000	0.026	0.002	0.02566
532560.39	4255753.8	0.000	0.000	0.000	0.000	0.000	0.003	0.00319
532538.78	4255727.86	0.000	0.000	0.000	0.000	0.000	0.003	0.00308
532492.68	4255784.05	0.000	0.000	0.000	0.000	0.000	0.004	0.00439
532391.83	4255828.71	0.000	0.000	0.000	0.000	0.000	0.006	0.00603
532435.05	4255808.54	0.000	0.000	0.000	0.000	0.000	0.005	0.00542
532492.68	4255748.03	0.000	0.000	0.000	0.000	0.000	0.004	0.00369
532678.53	4255861.85	0.000	0.000	0.000	0.000	0.000	0.002	0.00199
532643.96	4255815.75	0.000	0.000	0.000	0.000	0.000	0.003	0.00255
532589.21	4255838.8	0.000	0.000	0.000	0.000	0.000	0.004	0.00368
532618.02	4255896.43	0.000	0.000	0.000	0.000	0.000	0.003	0.00292

532582	4255932.45	0.000	0.000	0.000	0.000	0.000	0.004	0.00372
532548.87	4255943.97	0.000	0.000	0.000	0.000	0.000	0.005	0.00479
532498.44	4255961.26	0.000	0.000	0.000	0.000	0.000	0.007	0.00726
532452.34	4255982.87	0.000	0.000	0.000	0.000	0.000	0.012	0.01196
532400.47	4255931.01	0.000	0.000	0.000	0.000	0.000	0.018	0.01810
532455.22	4255923.8	0.000	0.000	0.000	0.000	0.000	0.011	0.01069
532491.24	4255905.07	0.000	0.000	0.000	0.000	0.000	0.007	0.00748
532518.61	4255887.79	0.000	0.000	0.000	0.000	0.000	0.006	0.00617
532547.43	4255867.61	0.000	0.000	0.000	0.000	0.000	0.005	0.00499
CONCUNIT ug	/m^3	0.000	0.000	0.000	0.000	0.000	0.000	0.00000
DEPUNIT g/m	^2	0.000	0.000	0.000	0.000	0.000	0.000	0.00000

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C.3 - Construction Health Risk Assessment Calculations (Mitigated)

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Elnoka Construction DPM Emissions — **Tier IV Mitigation, Fugtive Dust Control**

Tier IV Annual Emissions 2020

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2020**	
	8 hours/day	
	6 days/week	RFI response
	31 weeks/year	
	1488 hours/year	

Onsite Construction Area Source Size (m2): 242762.6 from aermod

Onsite Construction PM2.5 Emissions

2020 **Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**	**Onsite Annual PM2.5 Fugitive Emissions (tons/year)**	**Onsite Annual PM2.5 Fugitive Emissions (g/sec)**	**Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)**
Demolition	4.000E-04	6.780E-05	2.793E-10	1.900E-03	3.221E-04	1.327E-09
Site Preparation	4.000E-04	6.780E-05	2.793E-10	2.910E-02	4.933E-03	2.032E-08
Grading	4.010E-03	6.797E-04	2.800E-09	6.020E-02	1.020E-02	4.203E-08
Building Construction	4.930E-03	8.357E-04	3.442E-09	0.000E+00	0.000E+00	0.000E+00
Total	**9.740E-03**	**1.651E-03**	**6.801E-09**	**9.120E-02**	**1.546E-02**	**6.368E-08**

Offsite Construction Vehicle PM2.5 Emissions

2020 **Construction Activity**	**Offsite Hauling Annual DPM Exhaust Emissions (tons/year)**	**Offsite Vendor Annual DPM Exhaust Emissions (tons/year)**	**Offsite Workers Annual DPM Exhaust Emissions (tons/year)**	**Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)**
Demolition	1.300E-04	0.000E+00	1.000E-05	5.800E-04	0.000E+00	2.000E-04
Site Preparation	0.000E+00	0.000E+00	1.000E-05	0.000E+00	0.000E+00	2.400E-04
Grading	0.000E+00	0.000E+00	5.000E-05	0.000E+00	0.000E+00	1.650E-03
Building Construction	0.000E+00	7.340E-03	1.960E-03	0.000E+00	2.250E-02	6.960E-02
Total (tons/year)	**1.300E-04**	**7.340E-03**	**2.030E-03**	**5.800E-04**	**2.250E-02**	**7.169E-02**
Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8	20.0	7.3	10.8
Offsite Project Trip Distance Along Roadway Segment Project>SR-12 west	0.37	0.37	0.37	0.37	0.37	0.37
Offsite Project Emissions Along Roadway Segment Project>SR-12 west (tons/year)	**2.382E-06**	**3.685E-04**	**6.889E-05**	**1.063E-05**	**1.130E-03**	**2.433E-03**

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Project Exhaust Emissions (tons/year)	**4.398E-04**
Total Offsite Project Exhaust Emissions (grams/sec)	**7.455E-05**

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Project Fugitive Emissions (tons/year)	**3.573E-03**
Total Offsite Project Fugitive Emissions (grams/sec)	**6.057E-04**

Onsite Exhaust Emissions (tons/year)	**9.740E-03**
Onsite Exhaust Emissions (g/m2-sec)	**6.801E-09**

Onsite Fugitive Emissions (tons/year)	**9.120E-02**
Onsite Fugitive Emissions (g/m2-sec)	**6.368E-08**

TOTAL 1.018E-02

Elnoka Construction DPM Emissions

Tier IV Annual Emissions 2021

Tier IV Mitigation, Fugtive Dust Control

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2021**
	8 hours/day
	6 days/week
	47 weeks/year
	2256 hours/year

Onsite Construction Area Source Size (m2): 242762.60

Onsite Construction PM2.5 Emissions

2021	**Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**		**Onsite Annual PM2.5 Fugitive Emissions (tons/year)**	**Onsite Annual PM2.5 Fugitive Emissions (g/sec)**	**Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)**
	Building Construction	1.310E-02	1.465E-03	6.033E-09		0.000E+00	0.000E+00	0.000E+00
	Paving	4.900E-04	5.478E-05	2.257E-10		0.000E+00	0.000E+00	0.000E+00
	Architectural Coating	5.000E-05	5.590E-06	2.303E-11		0.000E+00	0.000E+00	0.000E+00
	Total	**1.364E-02**	**1.525E-03**	**6.282E-09**	**Total**	**0.000E+00**	**0.000E+00**	**0.000E+00**

Offsite Construction Vehicle PM2.5 Emissions

2021	**Construction Activity**	**Offsite Hauling Annual DPM Exhaust Emissions (tons/year)**	**Offsite Vendor Annual DPM Exhaust Emissions (tons/year)**	**Offsite Workers Annual DPM Exhaust Emissions (tons/year)**		**Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)**
	Building Construction	0.000E+00	9.290E-03	5.580E-03		0.000E+00	6.660E-02	2.060E-01
	Paving	0.000E+00	0.000E+00	1.000E-05		0.000E+00	0.000E+00	4.100E-04
	Architectural Coating	0.000E+00	0.000E+00	1.200E-04		0.000E+00	0.000E+00	4.590E-03
	Total (tons/year)	**0.000E+00**	**9.290E-03**	**5.710E-03**	**Total (tons/year)**	**0.000E+00**	**6.660E-02**	**2.110E-01**
	Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8		20.0	7.3	10.8
	Offsite Project Trip Distance Project>SR-12 west	0.37	0.37	0.37		0.37	0.37	0.37
	Offsite Project Emissions Project>SR-12 west (tons/year)	**0.000E+00**	**4.664E-04**	**1.938E-04**		**0.000E+00**	**3.344E-03**	**7.161E-03**

Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	**6.602E-04**
Offsite Project Exhaust Emissions (grams/sec)	**7.381E-05**

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Project Fugitive Emissions (tons/year)	**1.050E-02**
Total Offsite Project Fugitive Emissions (grams/sec)	**1.174E-03**

Onsite Exhaust Emissions (tons/year)	**1.364E-02**
Onsite Exhaust Emissions (g/m2-sec)	**6.282E-09**

Onsite Fugitive Emissions (tons/year)	**0.000E+00**
Onsite Fugitive Emissions (g/m2-sec)	**0.000E+00**

1.430E-02

Elnoka Construction DPM Emissions

Tier IV, Fugitive Dust Control

No Mitigation Annual Emissions 2022 - Phase II

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2022**
	8 hours/day
	6 days/week
	37 weeks/year
	1776 hours/year

Onsite Construction Area Source Size (m2): 65782.00 construction area is different from phase I

Onsite Construction PM2.5 Emissions

2022 **Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**		**Onsite Annual PM2.5 Fugitive Emissions (tons/year)**	**Onsite Annual PM2.5 Fugitive Emissions (g/sec)**	**Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)**
Building Construction	2.130E-02	3.025E-03	4.598E-08		0.000E+00	0.000E+00	0.000E+00
Paving	1.100E-04	1.562E-05	2.375E-10		0.000E+00	0.000E+00	0.000E+00
Architectural Coating	2.000E-05	2.840E-06	4.318E-11		0.000E+00	0.000E+00	0.000E+00
Total	**2.143E-02**	**3.043E-03**	**4.627E-08**	**Total**	**0.000E+00**	**0.000E+00**	**0.000E+00**

Offsite Construction Vehicle PM2.5 Emissions

2022 **Construction Activity**	**Offsite Hauling Annual DPM Exhaust Emissions (tons/year)**	**Offsite Vendor Annual DPM Exhaust Emissions (tons/year)**	**Offsite Workers Annual DPM Exhaust Emissions (tons/year)**		**Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)**
Building Construction	0.000E+00	3.000E-04	4.700E-04		0.000E+00	2.440E-03	1.800E-02
Paving	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.400E-04
Architectural Coating	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.800E-04
Total (tons/year)	**0.000E+00**	**3.000E-04**	**4.700E-04**	**Total (tons/year)**	**0.000E+00**	**2.440E-03**	**1.832E-02**
Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8		20.0	7.3	10.8
Offsite Project Trip Distance Project>SR-12 west	0.37	0.37	0.37		0.37	0.37	0.37
Offsite Project Emissions Project>SR-12 west (tons/year)	**0.000E+00**	**1.506E-05**	**1.595E-05**		**0.000E+00**	**1.225E-04**	**6.217E-04**

Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	**3.101E-05**
Offsite Project Exhaust Emissions (grams/sec)	**4.404E-06**

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Projec	**7.442E-04**
Total Offsite Projec	**1.057E-04**

Onsite Exhaust Emissions (tons/year)	**2.143E-02**
Onsite Exhaust Emissions (g/m2-sec)	**4.627E-08**

Onsite Fugitive Emi	**0.000E+00**
Onsite Fugitive Emi	**0.000E+00**

2.146E-02

Elnoka Construction DPM Emissions

Tier IV, Fugitive Dust Control

No Mitigation Annual Emissions 2023 - Phase III

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2023**
	8 hours/day
	6 days/week
	35 weeks/year
	1680 hours/year

Onsite Construction Area Source Size (m2): 19128.00 Phase III area

Onsite Construction PM2.5 Emissions

2023 **Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**		**Onsite Annual PM2.5 Fugitive Emissions (tons/year)**	**Onsite Annual PM2.5 Fugitive Emissions (g/sec)**	**Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)**
Building Construction	1.870E-02	2.807E-03	1.468E-07		0.000E+00	0.000E+00	0.000E+00
Paving	1.100E-04	1.651E-05	8.634E-10		0.000E+00	0.000E+00	0.000E+00
Architectural Coating	2.000E-05	3.003E-06	1.570E-10		0.000E+00	0.000E+00	0.000E+00
Total	**1.883E-02**	**2.827E-03**	**1.478E-07**	**Total**	**0.000E+00**	**0.000E+00**	**0.000E+00**

Offsite Construction Vehicle PM2.5 Emissions

2023 **Construction Activity**	**Offsite Hauling Annual DPM Exhaust Emissions (tons/year)**	**Offsite Vendor Annual DPM Exhaust Emissions (tons/year)**	**Offsite Workers Annual DPM Exhaust Emissions (tons/year)**		**Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)**
Building Construction	0.000E+00	1.300E-03	4.500E-04		0.000E+00	1.300E-04	4.500E-04
Paving	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.400E-04
Architectural Coating	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.800E-04
Total (tons/year)	**0.000E+00**	**1.300E-03**	**4.500E-04**	**Total (tons/year)**	**0.000E+00**	**1.300E-04**	**7.700E-04**
Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8		20.0	7.3	10.8
Offsite Project Trip Distance Project>SR-12 west	0.50	0.50	0.50		0.50	0.50	0.50
Offsite Project Emissions Project>SR-12 west (tons/year)	**0.000E+00**	**8.908E-05**	**2.084E-05**		**0.000E+00**	**8.908E-06**	**3.566E-05**

Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	**1.099E-04**
Offsite Project Exhaust Emissions (grams/sec)	**1.650E-05**

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Projec	**4.457E-05**
Total Offsite Projec	**6.691E-06**

Onsite Exhaust Emissions (tons/year)	**1.883E-02**
Onsite Exhaust Emissions (g/m2-sec)	**1.478E-07**

Onsite Fugitive Emi	**0.000E+00**
Onsite Fugitive Emi	**0.000E+00**

1.894E-02

Elnoka Construction DPM Emissions

no mitigation, fugitive dust control

No Mitigation Annual Emissions 2024 - Phase IV

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2024**	
	8	hours/day
	6	days/week
	35	weeks/year
	1680	hours/year

Onsite Construction Area Source Size (m2): 97419.60 Phase IV area

Onsite Construction PM2.5 Emissions

2024 **Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**		**Onsite Annual PM2.5 Fugitive Emissions (tons/year)**	**Onsite Annual PM2.5 Fugitive Emissions (g/sec)**	**Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)**
Building Construction	4.350E-02	6.531E-03	6.704E-08		0.000E+00	0.000E+00	0.000E+00
Paving	1.300E-03	1.952E-04	2.003E-09		0.000E+00	0.000E+00	0.000E+00
Architectural Coating	3.000E-04	4.504E-05	4.623E-10		0.000E+00	0.000E+00	0.000E+00
Total	**4.510E-02**	**6.771E-03**	**6.950E-08**	**Total**	**0.000E+00**	**0.000E+00**	**0.000E+00**

Offsite Construction Vehicle PM2.5 Emissions

2024 **Construction Activity**	**Offsite Hauling Annual DPM Exhaust Emissions (tons/year)**	**Offsite Vendor Annual DPM Exhaust Emissions (tons/year)**	**Offsite Workers Annual DPM Exhaust Emissions (tons/year)**		**Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)**
Building Construction	0.000E+00	1.200E-04	4.300E-04		0.000E+00	2.430E-03	1.780E-02
Paving	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.400E-04
Architectural Coating	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.800E-04
Total (tons/year)	**0.000E+00**	**1.200E-04**	**4.300E-04**	**Total (tons/year)**	**0.000E+00**	**2.430E-03**	**1.812E-02**
Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8		20.0	7.3	10.8
Offsite Project Trip Distance Project>SR-12 west	0.72	0.72	0.72		0.72	0.72	0.72
Offsite Project Emissions Project>SR-12 west (tons/year)	**0.000E+00**	**1.178E-05**	**2.854E-05**		**0.000E+00**	**2.386E-04**	**1.203E-03**

Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	**4.033E-05**
Offsite Project Exhaust Emissions (grams/sec)	**6.054E-06**

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Projec	**1.441E-03**
Total Offsite Projec	**2.164E-04**

Onsite Exhaust Emissions (tons/year)	**4.510E-02**
Onsite Exhaust Emissions (g/m2-sec)	**6.950E-08**

Onsite Fugitive Emi	**0.000E+00**
Onsite Fugitive Emi	**0.000E+00**

4.514E-02

Elnoka Construction DPM Emissions

no mitigation, fugitive dust control

No Mitigation Annual Emissions 2025 - Phase V

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Construction Scheduling	**2025**
	8 hours/day
	6 days/week
	35 weeks/year
	1680 hours/year

Onsite Construction Area Source Size (m2): 52060.00 Phase V

Onsite Construction PM2.5 Emissions

2025 **Construction Activity**	**Onsite Annual DPM Exhaust Emissions (tons/year)**	**Onsite Annual DPM Exhaust Emissions (g/sec)**	**Onsite DPM Source Exhaust Emissions (g/m2-sec)**		**Onsite Annual PM2.5 Fugitive Emissions (tons/year)**	**Onsite Annual PM2.5 Fugitive Emissions (g/sec)**	**Onsite Source PM2.5 Fugitive Emissions (g/m2-sec)**
Building Construction	3.790E-02	5.690E-03	1.093E-07		0.000E+00	0.000E+00	0.000E+00
Paving	1.140E-03	1.712E-04	3.288E-09		0.000E+00	0.000E+00	0.000E+00
Architectural Coating	2.600E-04	3.903E-05	7.498E-10		0.000E+00	0.000E+00	0.000E+00
Total	**3.930E-02**	**5.900E-03**	**1.133E-07**	**Total**	**0.000E+00**	**0.000E+00**	**0.000E+00**

Offsite Construction Vehicle PM2.5 Emissions

2025 **Construction Activity**	**Offsite Hauling Annual DPM Exhaust Emissions (tons/year)**	**Offsite Vendor Annual DPM Exhaust Emissions (tons/year)**	**Offsite Workers Annual DPM Exhaust Emissions (tons/year)**		**Offsite Hauling Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Vendor Annual PM2.5 Fugitive Emissions (tons/year)**	**Offsite Workers Annual PM2.5 Fugitive Emissions (tons/year)**
Building Construction	0.000E+00	1.200E-04	4.200E-04		0.000E+00	2.430E-03	1.780E-02
Paving	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.400E-04
Architectural Coating	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	1.800E-04
Total (tons/year)	**0.000E+00**	**1.200E-04**	**4.200E-04**	**Total (tons/year)**	**0.000E+00**	**2.430E-03**	**1.812E-02**
Trip Distance assumed in CalEEMod (mi)	20.0	7.3	10.8		20.0	7.3	10.8
Offsite Project Trip Distance Project>SR-12 west	0.61	0.61	0.61		0.61	0.61	0.61
Offsite Project Emissions Project>SR-12 west (tons/year)	**0.000E+00**	**9.946E-06**	**2.353E-05**		**0.000E+00**	**2.014E-04**	**1.015E-03**

Emissions Along Roadway Segment	
Offsite Project Exhaust Emissions (tons/year)	**3.348E-05**
Offsite Project Exhaust Emissions (grams/sec)	**5.026E-06**

Offsite Emissions Along Roadway Segment Analyzed	
Total Offsite Projec	**1.217E-03**
Total Offsite Projec	**1.826E-04**

Onsite Exhaust Emissions (tons/year)	**3.930E-02**
Onsite Exhaust Emissions (g/m2-sec)	**1.133E-07**

Onsite Fugitive Emi	**0.000E+00**
Onsite Fugitive Emi	**0.000E+00**

3.933E-02

Elnoka Construction DPM Emissions

2020 **Tier IV** **At Sensitive Receptors**

Annual Emissions 2020

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 6.80E-09 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 6.37E-08 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 7.45E-05 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 6.06E-04 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	28.88924	0.00196	0.01840	0.00005	3.72737E-05	3.02837E-04	0.00200	1.86991E-02	2.07011E-02
532839.56	4256029.53	33.22996	0.00226	0.02116	0.00005	3.72737E-05	3.02837E-04	0.00230	2.14632E-02	2.37604E-02
532820.46	4255995.88	34.32454	0.00233	0.02186	0.00004	2.98190E-05	2.42270E-04	0.00236	2.20997E-02	2.44638E-02
532825.92	4255944.04	23.88236	0.00162	0.01521	0.00003	2.23642E-05	1.81702E-04	0.00165	1.53897E-02	1.70362E-02
532789.54	4255936.77	31.1829	0.00212	0.01986	0.00003	2.23642E-05	1.81702E-04	0.00214	2.00385E-02	2.21816E-02
532768.62	4255908.57	30.33112	0.00206	0.01931	0.00003	2.23642E-05	1.81702E-04	0.00209	1.94961E-02	2.15812E-02
532752.25	4255856.74	26.22261	0.00178	0.01670	0.00002	1.49095E-05	1.21135E-04	0.00180	1.68193E-02	1.86176E-02
532784.99	4255815.81	17.39016	0.00118	0.01107	0.00002	1.49095E-05	1.21135E-04	0.00120	1.11949E-02	1.23925E-02
532752.41	4255882.75	29.97318	0.00204	0.01909	0.00002	1.49095E-05	1.21135E-04	0.00205	1.92076E-02	2.12609E-02
532771.07	4255831.73	20.40554	0.00139	0.01299	0.00002	1.49095E-05	1.21135E-04	0.00140	1.31151E-02	1.45177E-02
532801.39	4255883.33	20.73959	0.00141	0.01321	0.00003	2.23642E-05	1.81702E-04	0.00143	1.33884E-02	1.48212E-02
532815.67	4255858.55	16.8577	0.00115	0.01073	0.00002	1.49095E-05	1.21135E-04	0.00116	1.08559E-02	1.20172E-02
532829.67	4255901.7	18.51902	0.00126	0.01179	0.00003	2.23642E-05	1.81702E-04	0.00128	1.19744E-02	1.32562E-02
532846.58	4255878.38	14.96014	0.00102	0.00953	0.00002	1.49095E-05	1.21135E-04	0.00103	9.64754E-03	1.06799E-02
532864.66	4255855.93	12.36574	0.00084	0.00787	0.00002	1.49095E-05	1.21135E-04	0.00086	7.99546E-03	8.85134E-03
532838.12	4255838.72	13.55664	0.00092	0.00863	0.00002	1.49095E-05	1.21135E-04	0.00094	8.75381E-03	9.69068E-03
532866.42	4255959.35	17.87568	0.00122	0.01138	0.00003	2.23642E-05	1.81702E-04	0.00124	1.15647E-02	1.28027E-02
532871.67	4255990.02	19.38941	0.00132	0.01235	0.00004	2.98190E-05	2.42270E-04	0.00135	1.25892E-02	1.39376E-02
532871.67	4255933.93	15.44239	0.00105	0.00983	0.00003	2.23642E-05	1.81702E-04	0.00107	1.00152E-02	1.10878E-02
532882.16	4255912.94	13.28825	0.00090	0.00846	0.00003	2.23642E-05	1.81702E-04	0.00093	8.64347E-03	9.56954E-03
532899.11	4255889.13	10.79984	0.00073	0.00688	0.00002	1.49095E-05	1.21135E-04	0.00075	6.99832E-03	7.74770E-03
532916.87	4255985.98	12.51722	0.00085	0.00797	0.00003	2.23642E-05	1.81702E-04	0.00087	8.15249E-03	9.02612E-03
532930.18	4255965	10.47761	0.00071	0.00667	0.00003	2.23642E-05	1.81702E-04	0.00073	6.85370E-03	7.58862E-03
532916.46	4255866.54	8.90991	0.00061	0.00567	0.00002	1.49095E-05	1.21135E-04	0.00062	5.79484E-03	6.41569E-03
532930.18	4255845.95	7.65971	0.00052	0.00488	0.00002	1.49095E-05	1.21135E-04	0.00054	4.99873E-03	5.53456E-03
532944.71	4255935.95	8.63403	0.00059	0.00550	0.00002	1.49095E-05	1.21135E-04	0.00060	5.61916E-03	6.22125E-03
532958.43	4255906.08	7.18011	0.00049	0.00457	0.00002	1.49095E-05	1.21135E-04	0.00050	4.69333E-03	5.19654E-03
532970.94	4255886.31	6.2316	0.00042	0.00397	0.00002	1.49095E-05	1.21135E-04	0.00044	4.08933E-03	4.52804E-03
532946.32	4255819.72	6.48942	0.00044	0.00413	0.00002	1.49095E-05	1.21135E-04	0.00046	4.25351E-03	4.70975E-03
532991.12	4255858.46	5.23911	0.00036	0.00334	0.00002	1.49095E-05	1.21135E-04	0.00037	3.45733E-03	3.82854E-03
533010.89	4255843.13	4.56133	0.00031	0.00290	0.00001	7.45474E-06	6.05675E-05	0.00032	2.96516E-03	3.28282E-03
532884.58	4255809.23	8.71626	0.00059	0.00555	0.00002	1.49095E-05	1.21135E-04	0.00061	5.67153E-03	6.27921E-03
532851.89	4255793.49	9.75897	0.00066	0.00621	0.00002	1.49095E-05	1.21135E-04	0.00068	6.33551E-03	7.01410E-03
532824.05	4255791.48	12.21714	0.00083	0.00778	0.00002	1.49095E-05	1.21135E-04	0.00085	7.90084E-03	8.74661E-03
533034.3	4255820.94	3.86025	0.00026	0.00246	0.00001	7.45474E-06	6.05675E-05	0.00027	2.51872E-03	2.78870E-03
533054.47	4255804.39	3.37059	0.00023	0.00215	0.00001	7.45474E-06	6.05675E-05	0.00024	2.20691E-03	2.44359E-03
532909.2	4256052.57	18.16629	0.00124	0.01157	0.00004	2.98190E-05	2.42270E-04	0.00127	1.18103E-02	1.30756E-02
532944.71	4256040.06	12.20007	0.00083	0.00777	0.00003	2.23642E-05	1.81702E-04	0.00085	7.95054E-03	8.80260E-03
532966.5	4256021.09	9.53898	0.00065	0.00607	0.00002	1.49095E-05	1.21135E-04	0.00066	6.19542E-03	6.85906E-03
532997.98	4256021.9	7.70204	0.00052	0.00490	0.00002	1.49095E-05	1.21135E-04	0.00054	5.02569E-03	5.56439E-03
532950.36	4256084.85	14.07226	0.00096	0.00896	0.00003	2.23642E-05	1.81702E-04	0.00098	9.14272E-03	1.01221E-02
532990.71	4256062.25	9.15025	0.00062	0.00583	0.00002	1.49095E-05	1.21135E-04	0.00064	5.94789E-03	6.58508E-03
533036.72	4256020.29	5.84469	0.00040	0.00372	0.00002	1.49095E-05	1.21135E-04	0.00041	3.84295E-03	4.25534E-03
533057.7	4256017.06	5.07729	0.00035	0.00323	0.00001	7.45474E-06	6.05675E-05	0.00035	3.29371E-03	3.64646E-03
533018.96	4255976.7	5.91509	0.00040	0.00377	0.00002	1.49095E-05	1.21135E-04	0.00042	3.88778E-03	4.30496E-03
533047.61	4255967.02	4.79573	0.00033	0.00305	0.00001	7.45474E-06	6.05675E-05	0.00033	3.11442E-03	3.44802E-03
532985.47	4255968.23	7.12296	0.00048	0.00454	0.00002	1.49095E-05	1.21135E-04	0.00050	4.65694E-03	5.15626E-03
533002.01	4255941.59	5.86245	0.00040	0.00373	0.00002	1.49095E-05	1.21135E-04	0.00041	3.85426E-03	4.26786E-03
533019.77	4255916.58	4.89915	0.00033	0.00312	0.00002	1.49095E-05	1.21135E-04	0.00035	3.24084E-03	3.58893E-03
533030.26	4255895.99	4.40861	0.00030	0.00281	0.00001	7.45474E-06	6.05675E-05	0.00031	2.86791E-03	3.17518E-03
533059.72	4255876.22	3.60498	0.00025	0.00230	0.00001	7.45474E-06	6.05675E-05	0.00025	2.35617E-03	2.60879E-03
533068.19	4255956.12	4.15127	0.00028	0.00264	0.00001	7.45474E-06	6.05675E-05	0.00029	2.70404E-03	2.99381E-03
533085.55	4256006.57	4.28671	0.00029	0.00273	0.00001	7.45474E-06	6.05675E-05	0.00030	2.79028E-03	3.08927E-03
533113.79	4255991.23	3.63867	0.00025	0.00232	0.00001	7.45474E-06	6.05675E-05	0.00025	2.37762E-03	2.63253E-03
533090.79	4255942.81	3.62215	0.00025	0.00231	0.00001	7.45474E-06	6.05675E-05	0.00025	2.36710E-03	2.62089E-03
533138.01	4255979.93	3.18995	0.00022	0.00203	0.00001	7.45474E-06	6.05675E-05	0.00022	2.09188E-03	2.31628E-03
533115.01	4255927.07	3.13739	0.00021	0.00200	0.00001	7.45474E-06	6.05675E-05	0.00022	2.05841E-03	2.27923E-03
533156.17	4255967.02	2.86823	0.00020	0.00183	0.00001	7.45474E-06	6.05675E-05	0.00020	1.88702E-03	2.08953E-03
533137.2	4255912.14	2.75345	0.00019	0.00175	0.00001	7.45474E-06	6.05675E-05	0.00019	1.81393E-03	2.00864E-03
532524.44	4256235.64	66.69552	0.00454	0.04247	0.00011	8.20022E-05	6.66242E-04	0.00462	4.31370E-02	4.77548E-02
532509.17	4256223.67	73.80845	0.00502	0.04700	0.00009	6.70927E-05	5.45107E-04	0.00509	4.75453E-02	5.26319E-02

532492.71	4256241.32	68.92187	0.00469	0.04389	0.00010	7.45474E-05	6.05675E-04	0.00476	4.44942E-02	4.92559E-02
532478.35	4256259.28	62.58175	0.00426	0.03985	0.00011	8.20022E-05	6.66242E-04	0.00434	4.05174E-02	4.48555E-02
532464.28	4256274.25	58.2057	0.00396	0.03706	0.00011	8.20022E-05	6.66242E-04	0.00404	3.77308E-02	4.17712E-02
532544.49	4256258.08	59.18049	0.00402	0.03769	0.00015	1.11821E-04	9.08512E-04	0.00414	3.85938E-02	4.27304E-02
532451.71	4256294.9	51.74219	0.00352	0.03295	0.00013	9.69117E-05	7.87377E-04	0.00362	3.37361E-02	3.73519E-02
532437.65	4256313.75	46.91604	0.00319	0.02988	0.00014	1.04366E-04	8.47944E-04	0.00330	3.07234E-02	3.40184E-02
532389.76	4256310.76	53.40791	0.00363	0.03401	0.00010	7.45474E-05	6.05675E-04	0.00371	3.46151E-02	3.83218E-02
532404.75	4256293.03	59.03196	0.00401	0.03759	0.00009	6.70927E-05	5.45107E-04	0.00408	3.81358E-02	4.22175E-02
532175.23	4256196.06	19.08093	0.00130	0.01215	0.00001	7.45474E-06	6.05675E-05	0.00131	1.22110E-02	1.35161E-02
532165.28	4256184.87	15.60765	0.00106	0.00994	0.00001	7.45474E-06	6.05675E-05	0.00107	9.99930E-03	1.10682E-02
532120.55	4256157.12	5.97254	0.00041	0.00380	0.00001	7.45474E-06	6.05675E-05	0.00041	3.86380E-03	4.27743E-03
532513.25	4256183.63	95.91099	0.00652	0.06107	0.00007	5.21832E-05	4.23972E-04	0.00657	6.14987E-02	6.80736E-02
532534.79	4256190.67	86.98287	0.00592	0.05539	0.00008	5.96380E-05	4.84540E-04	0.00598	5.58740E-02	6.18491E-02
532551.36	4256205.17	80.1973	0.00545	0.05107	0.00010	7.45474E-05	6.05675E-04	0.00553	5.16742E-02	5.72028E-02
532567.51	4256226.3	76.45317	0.00520	0.04868	0.00013	9.69117E-05	7.87377E-04	0.00530	4.94717E-02	5.47680E-02
532577.87	4256251.57	71.29426	0.00485	0.04540	0.00017	1.26731E-04	1.02965E-03	0.00498	4.64288E-02	5.14041E-02
532423.77	4256334.42	42.05286	0.00286	0.02678	0.00015	1.11821E-04	9.08512E-04	0.00297	2.76872E-02	3.06589E-02
532306.13	4256321.16	47.86861	0.00326	0.03048	0.00005	3.72737E-05	3.02837E-04	0.00329	3.07849E-02	3.40776E-02
532332.64	4256344.36	41.68429	0.00283	0.02654	0.00008	5.96380E-05	4.84540E-04	0.00289	2.70285E-02	2.99230E-02
532365.78	4256346.43	41.43587	0.00282	0.02639	0.00011	8.20022E-05	6.66242E-04	0.00290	2.70520E-02	2.99520E-02
532374.89	4256332.34	46.03327	0.00313	0.02931	0.00010	7.45474E-05	6.05675E-04	0.00321	2.99190E-02	3.31242E-02
532393.12	4256371.28	34.33274	0.00233	0.02186	0.00018	1.34185E-04	1.09021E-03	0.00247	2.29528E-02	2.54219E-02
532404.72	4256354.71	37.85598	0.00257	0.02411	0.00016	1.19276E-04	9.69079E-04	0.00269	2.50752E-02	2.77690E-02
532556.33	4256278.08	55.17211	0.00375	0.03513	0.00020	1.49095E-04	1.21135E-03	0.00390	3.63442E-02	4.02454E-02
532219.49	4255941.37	6.29836	0.00043	0.00401	0.00001	7.45474E-06	6.05675E-05	0.00044	4.07127E-03	4.50707E-03
532133.49	4256010.18	3.22297	0.00022	0.00205	0.00001	7.45474E-06	6.05675E-05	0.00023	2.11291E-03	2.33955E-03

Elnoka Construction DPM Emissions

2021 **Tier IV** **at Sensitive Receptors**

Annual Emissions 2021

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 6.28E-09 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 0.00E+00 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 7.38E-05 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 1.17E-03 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	28.88924	0.00181	0.00000	0.00005	3.69057E-05	5.87202E-04	0.00185	0.00	0.00
532839.56	4256029.53	33.22996	0.00209	0.00000	0.00005	3.69057E-05	5.87202E-04	0.00212	0.00	0.00
532820.46	4255995.88	34.32454	0.00216	0.00000	0.00004	2.95246E-05	4.69761E-04	0.00219	0.00	0.00
532825.92	4255944.04	23.88236	0.00150	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00152	0.00	0.00
532789.54	4255936.77	31.1829	0.00196	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00198	0.00	0.00
532768.62	4255908.57	30.33112	0.00191	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00193	0.00	0.00
532752.25	4255856.74	26.22261	0.00165	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00166	0.00	0.00
532784.99	4255815.81	17.39016	0.00109	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00111	0.00	0.00
532752.41	4255882.75	29.97318	0.00188	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00190	0.00	0.00
532771.07	4255831.73	20.40554	0.00128	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00130	0.00	0.00
532801.39	4255883.33	20.73959	0.00130	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00132	0.00	0.00
532815.67	4255858.55	16.8577	0.00106	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00107	0.00	0.00
532829.67	4255901.7	18.51902	0.00116	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00119	0.00	0.00
532846.58	4255878.38	14.96014	0.00094	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00095	0.00	0.00
532864.66	4255855.93	12.36574	0.00078	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00079	0.00	0.00
532838.12	4255838.72	13.55664	0.00085	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00087	0.00	0.00
532866.42	4255959.35	17.87568	0.00112	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00115	0.00	0.00
532871.67	4255990.02	19.38941	0.00122	0.00000	0.00004	2.95246E-05	4.69761E-04	0.00125	0.00	0.00
532871.67	4255933.93	15.44239	0.00097	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00099	0.00	0.00
532882.16	4255912.94	13.28825	0.00083	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00086	0.00	0.00
532899.11	4255889.13	10.79984	0.00068	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00069	0.00	0.00
532916.87	4255985.98	12.51722	0.00079	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00081	0.00	0.00
532930.18	4255965	10.47761	0.00066	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00068	0.00	0.00
532916.46	4255866.54	8.90991	0.00056	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00057	0.00	0.00
532930.18	4255845.95	7.65971	0.00048	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00050	0.00	0.00
532944.71	4255935.95	8.63403	0.00054	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00056	0.00	0.00
532958.43	4255906.08	7.18011	0.00045	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00047	0.00	0.00
532970.94	4255886.31	6.2316	0.00039	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00041	0.00	0.00
532946.32	4255819.72	6.48942	0.00041	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00042	0.00	0.00
532991.12	4255858.46	5.23911	0.00033	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00034	0.00	0.00
533010.89	4255843.13	4.56133	0.00029	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00029	0.00	0.00
532884.58	4255809.23	8.71626	0.00055	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00056	0.00	0.00
532851.89	4255793.49	9.75897	0.00061	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00063	0.00	0.00
532824.05	4255791.48	12.21714	0.00077	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00078	0.00	0.00
533034.3	4255820.94	3.86025	0.00024	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00025	0.00	0.00
533054.47	4255804.39	3.37059	0.00021	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00022	0.00	0.00
532909.2	4256052.57	18.16629	0.00114	0.00000	0.00004	2.95246E-05	4.69761E-04	0.00117	0.00	0.00
532944.71	4256040.06	12.20007	0.00077	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00079	0.00	0.00
532966.5	4256021.09	9.53898	0.00060	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00061	0.00	0.00
532997.98	4256021.9	7.70204	0.00048	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00050	0.00	0.00
532950.36	4256084.85	14.07226	0.00088	0.00000	0.00003	2.21434E-05	3.52321E-04	0.00091	0.00	0.00
532990.71	4256062.25	9.15025	0.00057	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00059	0.00	0.00
533036.72	4256020.29	5.84469	0.00037	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00038	0.00	0.00
533057.7	4256017.06	5.07729	0.00032	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00033	0.00	0.00
533018.96	4255976.7	5.91509	0.00037	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00039	0.00	0.00
533047.61	4255967.02	4.79573	0.00030	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00031	0.00	0.00

532985.47	4255968.23	7.12296	0.00045	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00046	0.00	0.00
533002.01	4255941.59	5.86245	0.00037	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00038	0.00	0.00
533019.77	4255916.58	4.89915	0.00031	0.00000	0.00002	1.47623E-05	2.34881E-04	0.00032	0.00	0.00
533030.26	4255895.99	4.40861	0.00028	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00028	0.00	0.00
533059.72	4255876.22	3.60498	0.00023	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00023	0.00	0.00
533068.19	4255956.12	4.15127	0.00026	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00027	0.00	0.00
533085.55	4256006.57	4.28671	0.00027	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00028	0.00	0.00
533113.79	4255991.23	3.63867	0.00023	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00024	0.00	0.00
533090.79	4255942.81	3.62215	0.00023	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00023	0.00	0.00
533138.01	4255979.93	3.18995	0.00020	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00021	0.00	0.00
533115.01	4255927.07	3.13739	0.00020	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00020	0.00	0.00
533156.17	4255967.02	2.86823	0.00018	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00019	0.00	0.00
533137.2	4255912.14	2.75345	0.00017	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00018	0.00	0.00
532524.44	4256235.64	66.69552	0.00419	0.00000	0.00011	8.11926E-05	1.29184E-03	0.00427	0.00	0.01
532509.17	4256223.67	73.80845	0.00464	0.00000	0.00009	6.64303E-05	1.05696E-03	0.00470	0.00	0.01
532492.71	4256241.32	68.92187	0.00433	0.00000	0.00010	7.38115E-05	1.17440E-03	0.00440	0.00	0.01
532478.35	4256259.28	62.58175	0.00393	0.00000	0.00011	8.11926E-05	1.29184E-03	0.00401	0.00	0.01
532464.28	4256274.25	58.2057	0.00366	0.00000	0.00011	8.11926E-05	1.29184E-03	0.00374	0.00	0.01
532544.49	4256258.08	59.18049	0.00372	0.00000	0.00015	1.10717E-04	1.76161E-03	0.00383	0.00	0.01
532451.71	4256294.9	51.74219	0.00325	0.00000	0.00013	9.59549E-05	1.52672E-03	0.00335	0.00	0.00
532437.65	4256313.75	46.91604	0.00295	0.00000	0.00014	1.03336E-04	1.64416E-03	0.00305	0.00	0.00
532389.76	4256310.76	53.40791	0.00335	0.00000	0.00010	7.38115E-05	1.17440E-03	0.00343	0.00	0.00
532404.75	4256293.03	59.03196	0.00371	0.00000	0.00009	6.64303E-05	1.05696E-03	0.00377	0.00	0.00
532175.23	4256196.06	19.08093	0.00120	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00121	0.00	0.00
532165.28	4256184.87	15.60765	0.00098	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00099	0.00	0.00
532120.55	4256157.12	5.97254	0.00038	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00038	0.00	0.00
532513.25	4256183.63	95.91099	0.00602	0.00000	0.00007	5.16680E-05	8.22082E-04	0.00608	0.00	0.01
532534.79	4256190.67	86.98287	0.00546	0.00000	0.00008	5.90492E-05	9.39523E-04	0.00552	0.00	0.01
532551.36	4256205.17	80.1973	0.00504	0.00000	0.00010	7.38115E-05	1.17440E-03	0.00511	0.00	0.01
532567.51	4256226.3	76.45317	0.00480	0.00000	0.00013	9.59549E-05	1.52672E-03	0.00490	0.00	0.01
532577.87	4256251.57	71.29426	0.00448	0.00000	0.00017	1.25479E-04	1.99649E-03	0.00460	0.00	0.01
532423.77	4256334.42	42.05286	0.00264	0.00000	0.00015	1.10717E-04	1.76161E-03	0.00275	0.00	0.00
532306.13	4256321.16	47.86861	0.00301	0.00000	0.00005	3.69057E-05	5.87202E-04	0.00304	0.00	0.00
532332.64	4256344.36	41.68429	0.00262	0.00000	0.00008	5.90492E-05	9.39523E-04	0.00268	0.00	0.00
532365.78	4256346.43	41.43587	0.00260	0.00000	0.00011	8.11926E-05	1.29184E-03	0.00268	0.00	0.00
532374.89	4256332.34	46.03327	0.00289	0.00000	0.00010	7.38115E-05	1.17440E-03	0.00297	0.00	0.00
532393.12	4256371.28	34.33274	0.00216	0.00000	0.00018	1.32861E-04	2.11393E-03	0.00229	0.00	0.00
532404.72	4256354.71	37.85598	0.00238	0.00000	0.00016	1.18098E-04	1.87905E-03	0.00250	0.00	0.00
532556.33	4256278.08	55.17211	0.00347	0.00000	0.00020	1.47623E-04	2.34881E-03	0.00361	0.00	0.01
532219.49	4255941.37	6.29836	0.00040	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00040	0.00	0.00
532133.49	4256010.18	3.22297	0.00020	0.00000	0.00001	7.38115E-06	1.17440E-04	0.00021	0.00	0.00

Elnoka Construction DPM Emissions

2022

Tier IV, Fugitive Dust Contro at Sensitive Receptors

Annual Emissions 2022 - Phase II

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 4.63E-08 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 0.00E+00 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 4.40E-06 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 1.06E-04 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	18.53856	0.00858	0.00000	0.00005	2.20215E-06	5.28463E-05	0.00858	0.0001	0.0086
532839.56	4256029.53	20.47499	0.00947	0.00000	0.00005	2.20215E-06	5.28463E-05	0.00948	0.0001	0.0095
532820.46	4255995.88	18.62645	0.00862	0.00000	0.00004	1.76172E-06	4.22770E-05	0.00862	0.0000	0.0087
532825.92	4255944.04	10.87621	0.00503	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00503	0.0000	0.0051
532789.54	4255936.77	10.22907	0.00473	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00473	0.0000	0.0048
532768.62	4255908.57	6.92627	0.00320	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00321	0.0000	0.0032
532752.25	4255856.74	4.26851	0.00197	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00198	0.0000	0.0020
532784.99	4255815.81	3.69499	0.00171	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00171	0.0000	0.0017
532752.41	4255882.75	5.16808	0.00239	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00239	0.0000	0.0024
532771.07	4255831.73	3.90833	0.00181	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00181	0.0000	0.0018
532801.39	4255883.33	6.203	0.00287	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00287	0.0000	0.0029
532815.67	4255858.55	5.23923	0.00242	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00242	0.0000	0.0024
532829.67	4255901.7	7.32225	0.00339	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00339	0.0000	0.0034
532846.58	4255878.38	6.01391	0.00278	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00278	0.0000	0.0028
532864.66	4255855.93	5.07229	0.00235	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00235	0.0000	0.0024
532838.12	4255838.72	4.63224	0.00214	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00214	0.0000	0.0022
532866.42	4255959.35	9.41197	0.00435	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00436	0.0000	0.0044
532871.67	4255990.02	10.7326	0.00497	0.00000	0.00004	1.76172E-06	4.22770E-05	0.00497	0.0000	0.0050
532871.67	4255933.93	7.80978	0.00361	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00361	0.0000	0.0036
532882.16	4255912.94	6.57446	0.00304	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00304	0.0000	0.0031
532899.11	4255889.13	5.27453	0.00244	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00244	0.0000	0.0025
532916.87	4255985.98	6.76764	0.00313	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00313	0.0000	0.0032
532930.18	4255965	5.56481	0.00257	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00258	0.0000	0.0026
532916.46	4255866.54	4.3187	0.00200	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00200	0.0000	0.0020
532930.18	4255845.95	3.67862	0.00170	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00170	0.0000	0.0017
532944.71	4255935.95	4.52295	0.00209	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00209	0.0000	0.0021
532958.43	4255906.08	3.71624	0.00172	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00172	0.0000	0.0017
532970.94	4255886.31	3.20055	0.00148	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00148	0.0000	0.0015
532946.32	4255819.72	3.07688	0.00142	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00142	0.0000	0.0014
532991.12	4255858.46	2.66712	0.00123	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00123	0.0000	0.0013
533010.89	4255843.13	2.31288	0.00107	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00107	0.0000	0.0011
532884.58	4255809.23	3.47061	0.00161	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00161	0.0000	0.0016
532851.89	4255793.49	3.23954	0.00150	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00150	0.0000	0.0015
532824.05	4255791.48	3.37831	0.00156	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00156	0.0000	0.0016
533034.3	4255820.94	1.94361	0.00090	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00090	0.0000	0.0009
533054.47	4255804.39	1.68747	0.00078	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00078	0.0000	0.0008
532909.2	4256052.57	10.92852	0.00506	0.00000	0.00004	1.76172E-06	4.22770E-05	0.00506	0.0000	0.0051
532944.71	4256040.06	6.69087	0.00310	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00310	0.0000	0.0031
532966.5	4256021.09	4.95491	0.00229	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00229	0.0000	0.0023
532997.98	4256021.9	3.80326	0.00176	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00176	0.0000	0.0018
532950.36	4256084.85	8.1959	0.00379	0.00000	0.00004	1.76172E-06	4.22770E-05	0.00379	0.0000	0.0038
532990.71	4256062.25	4.6578	0.00215	0.00000	0.00003	1.32129E-06	3.17078E-05	0.00216	0.0000	0.0022
533036.72	4256020.29	2.68599	0.00124	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00124	0.0000	0.0013
533057.7	4256017.06	2.25263	0.00104	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00104	0.0000	0.0011
533018.96	4255976.7	2.86684	0.00133	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00133	0.0000	0.0013
533047.61	4255967.02	2.24503	0.00104	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00104	0.0000	0.0011

532985.47	4255968.23	3.61029	0.00167	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00167	0.0000	0.0017
533002.01	4255941.59	2.94802	0.00136	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00136	0.0000	0.0014
533019.77	4255916.58	2.45548	0.00114	0.00000	0.00002	8.80859E-07	2.11385E-05	0.00114	0.0000	0.0012
533030.26	4255895.99	2.21511	0.00102	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00103	0.0000	0.0010
533059.72	4255876.22	1.79106	0.00083	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00083	0.0000	0.0008
533068.19	4255956.12	1.90918	0.00088	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00088	0.0000	0.0009
533085.55	4256006.57	1.83908	0.00085	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00085	0.0000	0.0009
533113.79	4255991.23	1.52573	0.00071	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00071	0.0000	0.0007
533090.79	4255942.81	1.64509	0.00076	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00076	0.0000	0.0008
533138.01	4255979.93	1.31388	0.00061	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00061	0.0000	0.0006
533115.01	4255927.07	1.41112	0.00065	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00065	0.0000	0.0007
533156.17	4255967.02	1.1732	0.00054	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00054	0.0000	0.0006
533137.2	4255912.14	1.22955	0.00057	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00057	0.0000	0.0006
532524.44	4256235.64	14.05967	0.00650	0.00000	0.00010	4.40430E-06	1.05693E-04	0.00651	0.0001	0.0066
532509.17	4256223.67	9.06178	0.00419	0.00000	0.00009	3.96387E-06	9.51233E-05	0.00420	0.0001	0.0043
532492.71	4256241.32	6.79059	0.00314	0.00000	0.00009	3.96387E-06	9.51233E-05	0.00315	0.0001	0.0032
532478.35	4256259.28	5.49637	0.00254	0.00000	0.00010	4.40430E-06	1.05693E-04	0.00255	0.0001	0.0027
532464.28	4256274.25	4.57522	0.00212	0.00000	0.00010	4.40430E-06	1.05693E-04	0.00212	0.0001	0.0022
532544.49	4256258.08	21.41621	0.00991	0.00000	0.00014	6.16602E-06	1.47970E-04	0.00991	0.0001	0.0101
532451.71	4256294.9	4.06495	0.00188	0.00000	0.00012	5.28516E-06	1.26831E-04	0.00189	0.0001	0.0020
532437.65	4256313.75	3.56226	0.00165	0.00000	0.00013	5.72559E-06	1.37400E-04	0.00165	0.0001	0.0018
532389.76	4256310.76	1.94798	0.00090	0.00000	0.00009	3.96387E-06	9.51233E-05	0.00091	0.0001	0.0010
532404.75	4256293.03	2.13456	0.00099	0.00000	0.00009	3.96387E-06	9.51233E-05	0.00099	0.0001	0.0011
532175.23	4256196.06	0.25674	0.00012	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00012	0.0000	0.0001
532165.28	4256184.87	0.23795	0.00011	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00011	0.0000	0.0001
532120.55	4256157.12	0.18246	0.00008	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00008	0.0000	0.0001
532513.25	4256183.63	6.28355	0.00291	0.00000	0.00007	3.08301E-06	7.39848E-05	0.00291	0.0001	0.0030
532534.79	4256190.67	16.58418	0.00767	0.00000	0.00008	3.52344E-06	8.45541E-05	0.00768	0.0001	0.0078
532551.36	4256205.17	30.96611	0.01433	0.00000	0.00009	3.96387E-06	9.51233E-05	0.01433	0.0001	0.0144
532567.51	4256226.3	42.70162	0.01976	0.00000	0.00012	5.28516E-06	1.26831E-04	0.01976	0.0001	0.0199
532577.87	4256251.57	45.95827	0.02126	0.00000	0.00016	7.04688E-06	1.69108E-04	0.02127	0.0002	0.0214
532423.77	4256334.42	3.18767	0.00147	0.00000	0.00014	6.16602E-06	1.47970E-04	0.00148	0.0001	0.0016
532306.13	4256321.16	0.89738	0.00042	0.00000	0.00005	2.20215E-06	5.28463E-05	0.00042	0.0001	0.0005
532332.64	4256344.36	1.24842	0.00058	0.00000	0.00008	3.52344E-06	8.45541E-05	0.00058	0.0001	0.0007
532365.78	4256346.43	1.73794	0.00080	0.00000	0.00010	4.40430E-06	1.05693E-04	0.00081	0.0001	0.0009
532374.89	4256332.34	1.81189	0.00084	0.00000	0.00010	4.40430E-06	1.05693E-04	0.00084	0.0001	0.0009
532393.12	4256371.28	2.49739	0.00116	0.00000	0.00016	7.04688E-06	1.69108E-04	0.00116	0.0002	0.0013
532404.72	4256354.71	2.70997	0.00125	0.00000	0.00015	6.60645E-06	1.58539E-04	0.00126	0.0002	0.0014
532556.33	4256278.08	24.69681	0.01143	0.00000	0.00018	7.92774E-06	1.90247E-04	0.01143	0.0002	0.0116
532219.49	4255941.37	0.20735	0.00010	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00010	0.0000	0.0001
532133.49	4256010.18	0.14609	0.00007	0.00000	0.00001	4.40430E-07	1.05693E-05	0.00007	0.0000	0.0001
CONCUNIT ug	/m^3	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000
DEPUNIT g/m	^2	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000

Elnoka Construction DPM Emissions

2023

Tier IV, Fugitive Dust Contro at Sensitive Receptors

Annual Emissions 2023 - Phase III

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 1.48E-07 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 0.00E+00 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 1.65E-05 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 6.69E-06 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	3.74611	0.00554	0.00000	0.00008	1.32018E-05	5.35313E-06	0.00555	0.0000	0.0056
532839.56	4256029.53	5.08909	0.00752	0.00000	0.00008	1.32018E-05	5.35313E-06	0.00753	0.0000	0.0075
532820.46	4255995.88	6.0437	0.00893	0.00000	0.00008	1.32018E-05	5.35313E-06	0.00895	0.0000	0.0090
532825.92	4255944.04	4.07816	0.00603	0.00000	0.00006	9.90138E-06	4.01484E-06	0.00604	0.0000	0.0060
532789.54	4255936.77	7.99549	0.01182	0.00000	0.00006	9.90138E-06	4.01484E-06	0.01183	0.0000	0.0118
532768.62	4255908.57	7.11293	0.01051	0.00000	0.00005	8.25115E-06	3.34570E-06	0.01052	0.0000	0.0105
532752.25	4255856.74	3.76277	0.00556	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00557	0.0000	0.0056
532784.99	4255815.81	2.62304	0.00388	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00388	0.0000	0.0039
532752.41	4255882.75	5.04119	0.00745	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00746	0.0000	0.0075
532771.07	4255831.73	3.03134	0.00448	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00449	0.0000	0.0045
532801.39	4255883.33	4.30679	0.00637	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00637	0.0000	0.0064
532815.67	4255858.55	3.17983	0.00470	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00471	0.0000	0.0047
532829.67	4255901.7	3.4276	0.00507	0.00000	0.00005	8.25115E-06	3.34570E-06	0.00507	0.0000	0.0051
532846.58	4255878.38	2.56476	0.00379	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00380	0.0000	0.0038
532864.66	4255855.93	1.98854	0.00294	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00294	0.0000	0.0029
532838.12	4255838.72	2.36845	0.00350	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00351	0.0000	0.0035
532866.42	4255959.35	2.02984	0.00300	0.00000	0.00005	8.25115E-06	3.34570E-06	0.00301	0.0000	0.0030
532871.67	4255990.02	2.20495	0.00326	0.00000	0.00006	9.90138E-06	4.01484E-06	0.00327	0.0000	0.0033
532871.67	4255933.93	1.83185	0.00271	0.00000	0.00005	8.25115E-06	3.34570E-06	0.00272	0.0000	0.0027
532882.16	4255912.94	1.62078	0.00240	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00240	0.0000	0.0024
532899.11	4255889.13	1.32067	0.00195	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00196	0.0000	0.0020
532916.87	4255985.98	1.19217	0.00176	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00177	0.0000	0.0018
532930.18	4255965	0.93006	0.00137	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00138	0.0000	0.0014
532916.46	4255866.54	1.0874	0.00161	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00161	0.0000	0.0016
532930.18	4255845.95	0.94038	0.00139	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00139	0.0000	0.0014
532944.71	4255935.95	0.74571	0.00110	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00111	0.0000	0.0011
532958.43	4255906.08	0.6411	0.00095	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00095	0.0000	0.0010
532970.94	4255886.31	0.57375	0.00085	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00085	0.0000	0.0009
532946.32	4255819.72	0.80257	0.00119	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00119	0.0000	0.0012
532991.12	4255858.46	0.50482	0.00075	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00075	0.0000	0.0008
533010.89	4255843.13	0.44071	0.00065	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00065	0.0000	0.0007
532884.58	4255809.23	1.32373	0.00196	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00196	0.0000	0.0020
532851.89	4255793.49	1.54947	0.00229	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00229	0.0000	0.0023
532824.05	4255791.48	1.92365	0.00284	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00285	0.0000	0.0028
533034.3	4255820.94	0.37809	0.00056	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00056	0.0000	0.0006
533054.47	4255804.39	0.33136	0.00049	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00049	0.0000	0.0005
532909.2	4256052.57	2.04487	0.00302	0.00000	0.00006	9.90138E-06	4.01484E-06	0.00303	0.0000	0.0030
532944.71	4256040.06	1.28868	0.00190	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00191	0.0000	0.0019
532966.5	4256021.09	0.94439	0.00140	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00140	0.0000	0.0014
532997.98	4256021.9	0.75513	0.00112	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00112	0.0000	0.0011
532950.36	4256084.85	1.53842	0.00227	0.00000	0.00005	8.25115E-06	3.34570E-06	0.00228	0.0000	0.0023
532990.71	4256062.25	0.98716	0.00146	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00146	0.0000	0.0015
533036.72	4256020.29	0.56784	0.00084	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00084	0.0000	0.0008
533057.7	4256017.06	0.489	0.00072	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00073	0.0000	0.0007
533018.96	4255976.7	0.51082	0.00075	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00076	0.0000	0.0008
533047.61	4255967.02	0.40619	0.00060	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00060	0.0000	0.0006
532985.47	4255968.23	0.60351	0.00089	0.00000	0.00003	4.95069E-06	2.00742E-06	0.00090	0.0000	0.0009

533002.01	4255941.59	0.47282	0.00070	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00070	0.0000	0.0007
533019.77	4255916.58	0.39028	0.00058	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00058	0.0000	0.0006
533030.26	4255895.99	0.35655	0.00053	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00053	0.0000	0.0005
533059.72	4255876.22	0.29372	0.00043	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00044	0.0000	0.0004
533068.19	4255956.12	0.34534	0.00051	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00051	0.0000	0.0005
533085.55	4256006.57	0.4035	0.00060	0.00000	0.00002	3.30046E-06	1.33828E-06	0.00060	0.0000	0.0006
533113.79	4255991.23	0.33263	0.00049	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00049	0.0000	0.0005
533090.79	4255942.81	0.29684	0.00044	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00044	0.0000	0.0004
533138.01	4255979.93	0.28651	0.00042	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00043	0.0000	0.0004
533115.01	4255927.07	0.25365	0.00037	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00038	0.0000	0.0004
533156.17	4255967.02	0.25247	0.00037	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00037	0.0000	0.0004
533137.2	4255912.14	0.2206	0.00033	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00033	0.0000	0.0003
532524.44	4256235.64	12.443	0.01839	0.00000	0.00011	1.81525E-05	7.36055E-06	0.01841	0.0000	0.0184
532509.17	4256223.67	13.41663	0.01983	0.00000	0.00009	1.48521E-05	6.02227E-06	0.01984	0.0000	0.0198
532492.71	4256241.32	9.16885	0.01355	0.00000	0.00009	1.48521E-05	6.02227E-06	0.01357	0.0000	0.0136
532478.35	4256259.28	6.57461	0.00972	0.00000	0.00009	1.48521E-05	6.02227E-06	0.00973	0.0000	0.0097
532464.28	4256274.25	5.06489	0.00749	0.00000	0.00010	1.65023E-05	6.69141E-06	0.00750	0.0000	0.0075
532544.49	4256258.08	10.17326	0.01504	0.00000	0.00015	2.47534E-05	1.00371E-05	0.01506	0.0000	0.0151
532451.71	4256294.9	3.9383	0.00582	0.00000	0.00011	1.81525E-05	7.36055E-06	0.00584	0.0000	0.0058
532437.65	4256313.75	3.15052	0.00466	0.00000	0.00011	1.81525E-05	7.36055E-06	0.00467	0.0000	0.0047
532389.76	4256310.76	1.99496	0.00295	0.00000	0.00008	1.32018E-05	5.35313E-06	0.00296	0.0000	0.0030
532404.75	4256293.03	2.41609	0.00357	0.00000	0.00008	1.32018E-05	5.35313E-06	0.00358	0.0000	0.0036
532175.23	4256196.06	0.16174	0.00024	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00024	0.0000	0.0002
532165.28	4256184.87	0.14472	0.00021	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00022	0.0000	0.0002
532120.55	4256157.12	0.0995	0.00015	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00015	0.0000	0.0001
532513.25	4256183.63	27.92481	0.04127	0.00000	0.00007	1.15516E-05	4.68399E-06	0.04128	0.0000	0.0413
532534.79	4256190.67	25.84119	0.03819	0.00000	0.00009	1.48521E-05	6.02227E-06	0.03821	0.0000	0.0382
532551.36	4256205.17	20.18632	0.02983	0.00000	0.00011	1.81525E-05	7.36055E-06	0.02985	0.0000	0.0299
532567.51	4256226.3	14.78314	0.02185	0.00000	0.00014	2.31032E-05	9.36797E-06	0.02187	0.0000	0.0219
532577.87	4256251.57	10.94476	0.01618	0.00000	0.00019	3.13544E-05	1.27137E-05	0.01621	0.0000	0.0162
532423.77	4256334.42	2.56945	0.00380	0.00000	0.00012	1.98028E-05	8.02969E-06	0.00382	0.0000	0.0038
532306.13	4256321.16	0.83527	0.00123	0.00000	0.00004	6.60092E-06	2.67656E-06	0.00124	0.0000	0.0012
532332.64	4256344.36	1.10471	0.00163	0.00000	0.00007	1.15516E-05	4.68399E-06	0.00164	0.0000	0.0016
532365.78	4256346.43	1.50004	0.00222	0.00000	0.00009	1.48521E-05	6.02227E-06	0.00223	0.0000	0.0022
532374.89	4256332.34	1.66537	0.00246	0.00000	0.00008	1.32018E-05	5.35313E-06	0.00247	0.0000	0.0025
532393.12	4256371.28	1.78793	0.00264	0.00000	0.00014	2.31032E-05	9.36797E-06	0.00267	0.0000	0.0027
532404.72	4256354.71	2.05466	0.00304	0.00000	0.00013	2.14530E-05	8.69883E-06	0.00306	0.0000	0.0031
532556.33	4256278.08	8.41732	0.01244	0.00000	0.00019	3.13544E-05	1.27137E-05	0.01247	0.0000	0.0125
532219.49	4255941.37	0.09595	0.00014	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00014	0.0000	0.0001
532133.49	4256010.18	0.06887	0.00010	0.00000	0.00001	1.65023E-06	6.69141E-07	0.00010	0.0000	0.0001
532834.4	4256230.11	3.41012	0.00504	0.00000	0.00027	4.45562E-05	1.80668E-05	0.00508	0.0000	0.0051
532856.7	4256218.96	2.97684	0.00440	0.00000	0.00017	2.80539E-05	1.13754E-05	0.00443	0.0000	0.0044
532882.73	4256205.33	2.5204	0.00372	0.00000	0.00011	1.81525E-05	7.36055E-06	0.00374	0.0000	0.0038
532877.77	4256187.98	2.7625	0.00408	0.00000	0.00012	1.98028E-05	8.02969E-06	0.00410	0.0000	0.0041
532841.83	4256204.09	3.57181	0.00528	0.00000	0.00021	3.46548E-05	1.40520E-05	0.00531	0.0000	0.0053
532812.1	4256218.96	4.30082	0.00636	0.00000	0.00043	7.09599E-05	2.87731E-05	0.00643	0.0000	0.0065
532726.6	4256157	13.1272	0.01940	0.00000	0.00127	2.09579E-04	8.49809E-05	0.01961	0.0001	0.0197
532748.9	4256153.28	11.37214	0.01681	0.00000	0.00067	1.10565E-04	4.48324E-05	0.01692	0.0000	0.0170
532768.73	4256137.18	10.79839	0.01596	0.00000	0.00038	6.27087E-05	2.54273E-05	0.01602	0.0000	0.0160
532787.31	4256123.54	9.73124	0.01438	0.00000	0.00026	4.29060E-05	1.73977E-05	0.01443	0.0000	0.0144
532810.86	4256103.72	8.09185	0.01196	0.00000	0.00017	2.80539E-05	1.13754E-05	0.01199	0.0000	0.0120
532799.7	4256081.41	11.18975	0.01654	0.00000	0.00016	2.64037E-05	1.07063E-05	0.01656	0.0000	0.0166
532782.36	4256066.55	16.97457	0.02509	0.00000	0.00016	2.64037E-05	1.07063E-05	0.02511	0.0000	0.0251
532776.16	4256036.81	24.51944	0.03624	0.00000	0.00013	2.14530E-05	8.69883E-06	0.03626	0.0000	0.0363
532746.42	4256055.39	33.02264	0.04881	0.00000	0.00018	2.97041E-05	1.20445E-05	0.04883	0.0000	0.0488
532715.44	4256075.22	37.05851	0.05477	0.00000	0.00030	4.95069E-05	2.00742E-05	0.05482	0.0000	0.0548
532693.14	4256092.57	36.76549	0.05434	0.00000	0.00064	1.05615E-04	4.28250E-05	0.05444	0.0000	0.0545
532709.25	4256142.13	17.19053	0.02541	0.00000	0.00167	2.75588E-04	1.11747E-04	0.02568	0.0001	0.0258
532699.34	4256121.07	23.56018	0.03482	0.00000	0.00133	2.19481E-04	8.89957E-05	0.03504	0.0001	0.0351
CONCUNIT ug	/m^3	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000
DEPUNIT g/m	^2	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000

Elnoka Construction DPM Emissions

2024 **No Mitigation** **at Sensitive Receptors**

Annual Emissions 2024 - Phase IV

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 6.95031E-08 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 0 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 6.05434E-06 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 2.16400E-04 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	7.35456	0.00511	0.00000	0.00007	4.23804E-06	1.51480E-04	0.00512	0.0002	0.0053
532839.56	4256029.53	8.95717	0.00623	0.00000	0.00007	4.23804E-06	1.51480E-04	0.00623	0.0002	0.0064
532820.46	4255995.88	10.82925	0.00753	0.00000	0.00007	4.23804E-06	1.51480E-04	0.00753	0.0002	0.0077
532825.92	4255944.04	10.01173	0.00696	0.00000	0.00006	3.63260E-06	1.29840E-04	0.00696	0.0001	0.0071
532789.54	4255936.77	15.28527	0.01062	0.00000	0.00006	3.63260E-06	1.29840E-04	0.01063	0.0001	0.0108
532768.62	4255908.57	19.76583	0.01374	0.00000	0.00006	3.63260E-06	1.29840E-04	0.01374	0.0001	0.0139
532752.25	4255856.74	22.18809	0.01542	0.00000	0.00004	2.42174E-06	8.65600E-05	0.01542	0.0001	0.0155
532784.99	4255815.81	12.13312	0.00843	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00844	0.0001	0.0085
532752.41	4255882.75	24.38603	0.01695	0.00000	0.00005	3.02717E-06	1.08200E-04	0.01695	0.0001	0.0171
532771.07	4255831.73	15.33369	0.01066	0.00000	0.00004	2.42174E-06	8.65600E-05	0.01066	0.0001	0.0107
532801.39	4255883.33	11.62903	0.00808	0.00000	0.00005	3.02717E-06	1.08200E-04	0.00809	0.0001	0.0082
532815.67	4255858.55	9.21101	0.00640	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00640	0.0001	0.0065
532829.67	4255901.7	8.81733	0.00613	0.00000	0.00005	3.02717E-06	1.08200E-04	0.00613	0.0001	0.0062
532846.58	4255878.38	6.99021	0.00486	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00486	0.0001	0.0049
532864.66	4255855.93	5.60586	0.00390	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00390	0.0001	0.0040
532838.12	4255838.72	6.90441	0.00480	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00480	0.0001	0.0049
532866.42	4255959.35	7.01487	0.00488	0.00000	0.00005	3.02717E-06	1.08200E-04	0.00488	0.0001	0.0050
532871.67	4255990.02	6.94421	0.00483	0.00000	0.00005	3.02717E-06	1.08200E-04	0.00483	0.0001	0.0049
532871.67	4255933.93	6.39265	0.00444	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00445	0.0001	0.0045
532882.16	4255912.94	5.54545	0.00385	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00386	0.0001	0.0039
532899.11	4255889.13	4.45201	0.00309	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00310	0.0001	0.0032
532916.87	4255985.98	4.78526	0.00333	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00333	0.0001	0.0034
532930.18	4255965	4.14077	0.00288	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00288	0.0001	0.0029
532916.46	4255866.54	3.60118	0.00250	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00250	0.0001	0.0026
532930.18	4255845.95	3.04573	0.00212	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00212	0.0001	0.0022
532944.71	4255935.95	3.45978	0.00240	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00241	0.0001	0.0025
532958.43	4255906.08	2.85843	0.00199	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00199	0.0000	0.0020
532970.94	4255886.31	2.44703	0.00170	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00170	0.0000	0.0017
532946.32	4255819.72	2.53087	0.00176	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00176	0.0000	0.0018
532991.12	4255858.46	2.00461	0.00139	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00139	0.0000	0.0014
533010.89	4255843.13	1.7171	0.00119	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00119	0.0000	0.0012
532884.58	4255809.23	3.88918	0.00270	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00270	0.0001	0.0028
532851.89	4255793.49	4.95767	0.00345	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00345	0.0001	0.0035
532824.05	4255791.48	7.10115	0.00494	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00494	0.0001	0.0050
533034.3	4255820.94	1.42052	0.00099	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00099	0.0000	0.0010
533054.47	4255804.39	1.21984	0.00085	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00085	0.0000	0.0009
532909.2	4256052.57	5.29957	0.00368	0.00000	0.00005	3.02717E-06	1.08200E-04	0.00369	0.0001	0.0038
532944.71	4256040.06	4.24296	0.00295	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00295	0.0001	0.0030
532966.5	4256021.09	3.66559	0.00255	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00255	0.0001	0.0026
532997.98	4256021.9	3.07142	0.00213	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00214	0.0001	0.0022
532950.36	4256084.85	4.04693	0.00281	0.00000	0.00004	2.42174E-06	8.65600E-05	0.00282	0.0001	0.0029
532990.71	4256062.25	3.26872	0.00227	0.00000	0.00003	1.81630E-06	6.49200E-05	0.00227	0.0001	0.0023
533036.72	4256020.29	2.48973	0.00173	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00173	0.0000	0.0018
533057.7	4256017.06	2.21685	0.00154	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00154	0.0000	0.0016
533018.96	4255976.7	2.47768	0.00172	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00172	0.0000	0.0018
533047.61	4255967.02	2.05662	0.00143	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00143	0.0000	0.0015

532985.47	4255968.23	2.90066	0.00202	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00202	0.0000	0.0021
533002.01	4255941.59	2.40724	0.00167	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00167	0.0000	0.0017
533019.77	4255916.58	1.99585	0.00139	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00139	0.0000	0.0014
533030.26	4255895.99	1.76558	0.00123	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00123	0.0000	0.0013
533059.72	4255876.22	1.42658	0.00099	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00099	0.0000	0.0010
533068.19	4255956.12	1.79863	0.00125	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00125	0.0000	0.0013
533085.55	4256006.57	1.91826	0.00133	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00133	0.0000	0.0014
533113.79	4255991.23	1.65487	0.00115	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00115	0.0000	0.0012
533090.79	4255942.81	1.57576	0.00110	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00110	0.0000	0.0011
533138.01	4255979.93	1.46485	0.00102	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00102	0.0000	0.0010
533115.01	4255927.07	1.36447	0.00095	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00095	0.0000	0.0010
533156.17	4255967.02	1.31961	0.00092	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00092	0.0000	0.0009
533137.2	4255912.14	1.19366	0.00083	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00083	0.0000	0.0009
532524.44	4256235.64	18.43608	0.01281	0.00000	0.00052	3.14826E-05	1.12528E-03	0.01285	0.0011	0.0140
532509.17	4256223.67	20.15705	0.01401	0.00000	0.00070	4.23804E-05	1.51480E-03	0.01405	0.0015	0.0156
532492.71	4256241.32	17.67506	0.01228	0.00000	0.00059	3.57206E-05	1.27676E-03	0.01232	0.0013	0.0136
532478.35	4256259.28	15.35864	0.01067	0.00000	0.00047	2.84554E-05	1.01708E-03	0.01070	0.0010	0.0117
532464.28	4256274.25	13.66701	0.00950	0.00000	0.00038	2.30065E-05	8.22320E-04	0.00952	0.0008	0.0103
532544.49	4256258.08	15.85241	0.01102	0.00000	0.00040	2.42174E-05	8.65600E-04	0.01104	0.0009	0.0119
532451.71	4256294.9	11.85225	0.00824	0.00000	0.00030	1.81630E-05	6.49200E-04	0.00826	0.0006	0.0089
532437.65	4256313.75	10.41598	0.00724	0.00000	0.00025	1.51358E-05	5.41000E-04	0.00725	0.0005	0.0078
532389.76	4256310.76	9.07169	0.00631	0.00000	0.00017	1.02924E-05	3.67880E-04	0.00632	0.0004	0.0067
532404.75	4256293.03	10.32795	0.00718	0.00000	0.00021	1.27141E-05	4.54440E-04	0.00719	0.0005	0.0076
532175.23	4256196.06	3.22055	0.00224	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00224	0.0000	0.0023
532165.28	4256184.87	2.95687	0.00206	0.00000	0.00002	1.21087E-06	4.32800E-05	0.00206	0.0000	0.0021
532120.55	4256157.12	1.97701	0.00137	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00137	0.0000	0.0014
532513.25	4256183.63	27.4338	0.01907	0.00000	0.00145	8.77879E-05	3.13780E-03	0.01916	0.0031	0.0223
532534.79	4256190.67	25.29779	0.01758	0.00000	0.00096	5.81217E-05	2.07744E-03	0.01764	0.0021	0.0197
532551.36	4256205.17	22.22006	0.01544	0.00000	0.00066	3.99586E-05	1.42824E-03	0.01548	0.0014	0.0169
532567.51	4256226.3	18.76083	0.01304	0.00000	0.00048	2.90608E-05	1.03872E-03	0.01307	0.0010	0.0141
532577.87	4256251.57	15.78122	0.01097	0.00000	0.00039	2.36119E-05	8.43960E-04	0.01099	0.0008	0.0118
532423.77	4256334.42	9.14123	0.00635	0.00000	0.00021	1.27141E-05	4.54440E-04	0.00637	0.0005	0.0068
532306.13	4256321.16	6.11688	0.00425	0.00000	0.00007	4.23804E-06	1.51480E-04	0.00426	0.0002	0.0044
532332.64	4256344.36	6.40436	0.00445	0.00000	0.00010	6.05434E-06	2.16400E-04	0.00446	0.0002	0.0047
532365.78	4256346.43	7.2271	0.00502	0.00000	0.00013	7.87064E-06	2.81320E-04	0.00503	0.0003	0.0053
532374.89	4256332.34	7.8804	0.00548	0.00000	0.00014	8.47608E-06	3.02960E-04	0.00549	0.0003	0.0058
532393.12	4256371.28	7.20518	0.00501	0.00000	0.00017	1.02924E-05	3.67880E-04	0.00502	0.0004	0.0054
532404.72	4256354.71	7.95977	0.00553	0.00000	0.00018	1.08978E-05	3.89520E-04	0.00554	0.0004	0.0059
532556.33	4256278.08	13.95972	0.00970	0.00000	0.00035	2.11902E-05	7.57400E-04	0.00972	0.0008	0.0105
532219.49	4255941.37	2.27295	0.00158	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00158	0.0000	0.0016
532133.49	4256010.18	1.36268	0.00095	0.00000	0.00001	6.05434E-07	2.16400E-05	0.00095	0.0000	0.0010
532834.4	4256230.11	5.87215	0.00408	0.00000	0.00021	1.27141E-05	4.54440E-04	0.00409	0.0005	0.0045
532856.7	4256218.96	5.41046	0.00376	0.00000	0.00014	8.47608E-06	3.02960E-04	0.00377	0.0003	0.0041
532882.73	4256205.33	4.9049	0.00341	0.00000	0.00010	6.05434E-06	2.16400E-04	0.00342	0.0002	0.0036
532877.77	4256187.98	5.2136	0.00362	0.00000	0.00010	6.05434E-06	2.16400E-04	0.00363	0.0002	0.0038
532841.83	4256204.09	6.06334	0.00421	0.00000	0.00017	1.02924E-05	3.67880E-04	0.00422	0.0004	0.0046
532812.1	4256218.96	6.80713	0.00473	0.00000	0.00031	1.87685E-05	6.70840E-04	0.00475	0.0007	0.0054
532726.6	4256157	14.02802	0.00975	0.00000	0.00079	4.78293E-05	1.70956E-03	0.00980	0.0017	0.0115
532748.9	4256153.28	12.37852	0.00860	0.00000	0.00047	2.84554E-05	1.01708E-03	0.00863	0.0010	0.0096
532768.73	4256137.18	11.50276	0.00799	0.00000	0.00030	1.81630E-05	6.49200E-04	0.00801	0.0006	0.0087
532787.31	4256123.54	10.54844	0.00733	0.00000	0.00021	1.27141E-05	4.54440E-04	0.00734	0.0005	0.0078
532810.86	4256103.72	9.44629	0.00657	0.00000	0.00014	8.47608E-06	3.02960E-04	0.00657	0.0003	0.0069
532799.7	4256081.41	10.99757	0.00764	0.00000	0.00013	7.87064E-06	2.81320E-04	0.00765	0.0003	0.0079
532782.36	4256066.55	13.34468	0.00927	0.00000	0.00014	8.47608E-06	3.02960E-04	0.00928	0.0003	0.0096
532776.16	4256036.81	15.66416	0.01089	0.00000	0.00012	7.26521E-06	2.59680E-04	0.01089	0.0003	0.0112
532746.42	4256055.39	19.86505	0.01381	0.00000	0.00016	9.68694E-06	3.46240E-04	0.01382	0.0003	0.0142
532715.44	4256075.22	23.57527	0.01639	0.00000	0.00028	1.69522E-05	6.05920E-04	0.01640	0.0006	0.0170
532693.14	4256092.57	25.181	0.01750	0.00000	0.00055	3.32989E-05	1.19020E-03	0.01753	0.0012	0.0187
532709.25	4256142.13	16.75921	0.01165	0.00000	0.00098	5.93325E-05	2.12072E-03	0.01171	0.0021	0.0138
532699.34	4256121.07	20.05697	0.01394	0.00000	0.00085	5.14619E-05	1.83940E-03	0.01399	0.0018	0.0158
532756.85	4255990.46	23.69291	0.01647	0.00000	0.00010	6.05434E-06	2.16400E-04	0.01647	0.0002	0.0167

532737.31	4255956.13	39.96901	0.02778	0.00000	0.00008	4.84347E-06	1.73120E-04	0.02778	0.0002	0.0280
532739.68	4256007.03	27.87217	0.01937	0.00000	0.00012	7.26521E-06	2.59680E-04	0.01938	0.0003	0.0196
532707.13	4255970.93	61.49522	0.04274	0.00000	0.00010	6.05434E-06	2.16400E-04	0.04275	0.0002	0.0430
532687	4255986.91	69.56247	0.04835	0.00000	0.00011	6.65977E-06	2.38040E-04	0.04835	0.0002	0.0486
532663.33	4256007.03	75.22729	0.05229	0.00000	0.00015	9.08151E-06	3.24600E-04	0.05229	0.0003	0.0526
532643.2	4256024.2	76.98173	0.05350	0.00000	0.00018	1.08978E-05	3.89520E-04	0.05352	0.0004	0.0539
532622.49	4256040.77	77.52089	0.05388	0.00000	0.00020	1.21087E-05	4.32800E-04	0.05389	0.0004	0.0543
532597.04	4256054.38	78.18621	0.05434	0.00000	0.00022	1.33195E-05	4.76080E-04	0.05436	0.0005	0.0548
532571.59	4256061.49	84.35243	0.05863	0.00000	0.00020	1.21087E-05	4.32800E-04	0.05864	0.0004	0.0591
532536.67	4256078.06	82.43502	0.05729	0.00000	0.00019	1.15032E-05	4.11160E-04	0.05731	0.0004	0.0577
532501.15	4256097	74.23109	0.05159	0.00000	0.00020	1.21087E-05	4.32800E-04	0.05161	0.0004	0.0520
532489.32	4256120.08	55.32819	0.03845	0.00000	0.00028	1.69522E-05	6.05920E-04	0.03847	0.0006	0.0391
532499.97	4256141.98	41.7219	0.02900	0.00000	0.00053	3.20880E-05	1.14692E-03	0.02903	0.0011	0.0302
532511.22	4256140.2	42.06611	0.02924	0.00000	0.00061	3.69315E-05	1.32004E-03	0.02927	0.0013	0.0306
532530.82	4256123.84	47.97353	0.03334	0.00000	0.00051	3.08771E-05	1.10364E-03	0.03337	0.0011	0.0345
532551.53	4256111.32	51.09393	0.03551	0.00000	0.00050	3.02717E-05	1.08200E-03	0.03554	0.0011	0.0366
532575.21	4256090.96	57.53096	0.03999	0.00000	0.00039	2.36119E-05	8.43960E-04	0.04001	0.0008	0.0409
532604.8	4256074.32	58.19081	0.04044	0.00000	0.00038	2.30065E-05	8.22320E-04	0.04047	0.0008	0.0413
532648.3	4256054.3	50.94884	0.03541	0.00000	0.00036	2.17956E-05	7.79040E-04	0.03543	0.0008	0.0362
532685.23	4256040.18	41.57207	0.02889	0.00000	0.00023	1.39250E-05	4.97720E-04	0.02891	0.0005	0.0294
532708.31	4256027.16	36.38113	0.02529	0.00000	0.00017	1.02924E-05	3.67880E-04	0.02530	0.0004	0.0257
CONCUNIT ug	/m^3	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000
DEPUNIT g/m	^2	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000
								0.00000	0.0000	0.0000

Elnoka Construction DPM Emissions

2025 **No Mitigation** **at Sensitive Receptors**

Annual Emissions 2025 - Phase V

Construction Annual DPM Emissions (as PM2.5 Exhaust)

Annual Average Onsite DPM Exhaust Emission Rate: 1.13335E-07 grams/m2/sec
Annual Average Onsite PM2.5 Fugitive Emission Rate: 0 grams/m2/sec

Annual Average Offsite DPM Exhaust Emission Rate: 5.02588E-06 grams/sec
Annual Average Offsite PM2.5 Fugitive Emission Rate: 1.82646E-04 grams/sec

X (m)	Y (m)	Onsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Onsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Onsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Unit Emissions (ug/m3)	Offsite Annual DPM Exhaust w/Actual Emissions (ug/m3)	Offsite Annual PM2.5 Fugitive w/Actual Emissions (ug/m3)	Total DPM (ug/m3)	Total Fugitive (ug/m3)	Total PM2.5 (ug/m3)
532862.29	4256047.72	0.71357	0.00081	0.00000	0.00007	3.51811E-06	1.27852E-04	0.00081	0.0001	0.0009
532839.56	4256029.53	0.76057	0.00086	0.00000	0.00008	4.02070E-06	1.46117E-04	0.00087	0.0001	0.0010
532820.46	4255995.88	0.80053	0.00091	0.00000	0.00008	4.02070E-06	1.46117E-04	0.00091	0.0001	0.0011
532825.92	4255944.04	0.74039	0.00084	0.00000	0.00006	3.01553E-06	1.09588E-04	0.00084	0.0001	0.0010
532789.54	4255936.77	0.89294	0.00101	0.00000	0.00007	3.51811E-06	1.27852E-04	0.00102	0.0001	0.0011
532768.62	4255908.57	0.98946	0.00112	0.00000	0.00006	3.01553E-06	1.09588E-04	0.00112	0.0001	0.0012
532752.25	4255856.74	1.105	0.00125	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00125	0.0001	0.0013
532784.99	4255815.81	0.93898	0.00106	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00107	0.0001	0.0011
532752.41	4255882.75	1.09301	0.00124	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00124	0.0001	0.0013
532771.07	4255831.73	1.00631	0.00114	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00114	0.0001	0.0012
532801.39	4255883.33	0.8336	0.00094	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00095	0.0001	0.0010
532815.67	4255858.55	0.78045	0.00088	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00089	0.0001	0.0010
532829.67	4255901.7	0.71694	0.00081	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00082	0.0001	0.0009
532846.58	4255878.38	0.66213	0.00075	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00075	0.0001	0.0008
532864.66	4255855.93	0.61339	0.00070	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00070	0.0001	0.0008
532838.12	4255838.72	0.70214	0.00080	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00080	0.0001	0.0009
532866.42	4255959.35	0.60322	0.00068	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00069	0.0001	0.0008
532871.67	4255990.02	0.60559	0.00069	0.00000	0.00006	3.01553E-06	1.09588E-04	0.00069	0.0001	0.0008
532871.67	4255933.93	0.58024	0.00066	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00066	0.0001	0.0008
532882.16	4255912.94	0.55128	0.00062	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00063	0.0001	0.0007
532899.11	4255889.13	0.5064	0.00057	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00058	0.0001	0.0006
532916.87	4255985.98	0.48276	0.00055	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00055	0.0001	0.0006
532930.18	4255965	0.442	0.00050	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00050	0.0001	0.0006
532916.46	4255866.54	0.46617	0.00053	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00053	0.0001	0.0006
532930.18	4255845.95	0.43788	0.00050	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00050	0.0001	0.0006
532944.71	4255935.95	0.40377	0.00046	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00046	0.0001	0.0005
532958.43	4255906.08	0.37213	0.00042	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00042	0.0001	0.0005
532970.94	4255886.31	0.34815	0.00039	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00040	0.0000	0.0004
532946.32	4255819.72	0.40968	0.00046	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00047	0.0000	0.0005
532991.12	4255858.46	0.32218	0.00037	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00037	0.0000	0.0004
533010.89	4255843.13	0.29871	0.00034	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00034	0.0000	0.0004
532884.58	4255809.23	0.54164	0.00061	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00062	0.0001	0.0007
532851.89	4255793.49	0.63271	0.00072	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00072	0.0001	0.0008
532824.05	4255791.48	0.76207	0.00086	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00087	0.0001	0.0009
533034.3	4255820.94	0.27322	0.00031	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00031	0.0000	0.0003
533054.47	4255804.39	0.25281	0.00029	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00029	0.0000	0.0003
532909.2	4256052.57	0.59059	0.00067	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00067	0.0001	0.0008
532944.71	4256040.06	0.49036	0.00056	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00056	0.0001	0.0006
532966.5	4256021.09	0.42974	0.00049	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00049	0.0001	0.0005
532997.98	4256021.9	0.39064	0.00044	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00044	0.0001	0.0005
532950.36	4256084.85	0.55901	0.00063	0.00000	0.00005	2.51294E-06	9.13230E-05	0.00064	0.0001	0.0007
532990.71	4256062.25	0.45002	0.00051	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00051	0.0001	0.0006
533036.72	4256020.29	0.34148	0.00039	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00039	0.0000	0.0004
533057.7	4256017.06	0.31698	0.00036	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00036	0.0000	0.0004
533018.96	4255976.7	0.32747	0.00037	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00037	0.0000	0.0004
533047.61	4255967.02	0.29111	0.00033	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00033	0.0000	0.0004

532985.47	4255968.23	0.35836	0.00041	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00041	0.0001	0.0005
533002.01	4255941.59	0.32041	0.00036	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00036	0.0000	0.0004
533019.77	4255916.58	0.28961	0.00033	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00033	0.0000	0.0004
533030.26	4255895.99	0.27408	0.00031	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00031	0.0000	0.0003
533059.72	4255876.22	0.24387	0.00028	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00028	0.0000	0.0003
533068.19	4255956.12	0.26729	0.00030	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00030	0.0000	0.0003
533085.55	4256006.57	0.28761	0.00033	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00033	0.0000	0.0004
533113.79	4255991.23	0.26	0.00029	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00030	0.0000	0.0003
533090.79	4255942.81	0.24659	0.00028	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00028	0.0000	0.0003
533138.01	4255979.93	0.23971	0.00027	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00027	0.0000	0.0003
533115.01	4255927.07	0.22598	0.00026	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00026	0.0000	0.0003
533156.17	4255967.02	0.22326	0.00025	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00025	0.0000	0.0003
533137.2	4255912.14	0.20833	0.00024	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00024	0.0000	0.0003
532524.44	4256235.64	15.81572	0.01792	0.00000	0.00029	1.45750E-05	5.29674E-04	0.01794	0.0005	0.0185
532509.17	4256223.67	21.29159	0.02413	0.00000	0.00027	1.35699E-05	4.93144E-04	0.02414	0.0005	0.0246
532492.71	4256241.32	24.48958	0.02776	0.00000	0.00019	9.54917E-06	3.47028E-04	0.02776	0.0003	0.0281
532478.35	4256259.28	25.18163	0.02854	0.00000	0.00016	8.04141E-06	2.92234E-04	0.02855	0.0003	0.0288
532464.28	4256274.25	25.84311	0.02929	0.00000	0.00014	7.03623E-06	2.55705E-04	0.02930	0.0003	0.0296
532544.49	4256258.08	11.48073	0.01301	0.00000	0.00029	1.45750E-05	5.29674E-04	0.01303	0.0005	0.0136
532451.71	4256294.9	24.37509	0.02763	0.00000	0.00013	6.53364E-06	2.37440E-04	0.02763	0.0002	0.0279
532437.65	4256313.75	23.34744	0.02646	0.00000	0.00013	6.53364E-06	2.37440E-04	0.02647	0.0002	0.0267
532389.76	4256310.76	32.44966	0.03678	0.00000	0.00008	4.02070E-06	1.46117E-04	0.03678	0.0001	0.0369
532404.75	4256293.03	34.9611	0.03962	0.00000	0.00009	4.52329E-06	1.64381E-04	0.03963	0.0002	0.0398
532175.23	4256196.06	12.39141	0.01404	0.00000	0.00001	5.02588E-07	1.82646E-05	0.01404	0.0000	0.0141
532165.28	4256184.87	9.78755	0.01109	0.00000	0.00001	5.02588E-07	1.82646E-05	0.01109	0.0000	0.0111
532120.55	4256157.12	3.00527	0.00341	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00341	0.0000	0.0034
532513.25	4256183.63	22.26592	0.02523	0.00000	0.00052	2.61346E-05	9.49760E-04	0.02526	0.0009	0.0262
532534.79	4256190.67	14.86596	0.01685	0.00000	0.00069	3.46786E-05	1.26026E-03	0.01688	0.0013	0.0181
532551.36	4256205.17	11.64135	0.01319	0.00000	0.00054	2.71397E-05	9.86289E-04	0.01322	0.0010	0.0142
532567.51	4256226.3	9.40536	0.01066	0.00000	0.00041	2.06061E-05	7.48849E-04	0.01068	0.0007	0.0114
532577.87	4256251.57	8.17114	0.00926	0.00000	0.00035	1.75906E-05	6.39261E-04	0.00928	0.0006	0.0099
532423.77	4256334.42	21.77567	0.02468	0.00000	0.00013	6.53364E-06	2.37440E-04	0.02469	0.0002	0.0249
532306.13	4256321.16	33.85723	0.03837	0.00000	0.00005	2.51294E-06	9.13230E-05	0.03837	0.0001	0.0385
532332.64	4256344.36	27.42927	0.03109	0.00000	0.00006	3.01553E-06	1.09588E-04	0.03109	0.0001	0.0312
532365.78	4256346.43	25.48959	0.02889	0.00000	0.00009	4.52329E-06	1.64381E-04	0.02889	0.0002	0.0291
532374.89	4256332.34	28.27475	0.03205	0.00000	0.00008	4.02070E-06	1.46117E-04	0.03205	0.0001	0.0322
532393.12	4256371.28	18.92774	0.02145	0.00000	0.00013	6.53364E-06	2.37440E-04	0.02146	0.0002	0.0217
532404.72	4256354.71	20.57136	0.02331	0.00000	0.00012	6.03105E-06	2.19175E-04	0.02332	0.0002	0.0235
532556.33	4256278.08	9.53705	0.01081	0.00000	0.00029	1.45750E-05	5.29674E-04	0.01082	0.0005	0.0114
532219.49	4255941.37	2.98796	0.00339	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00339	0.0000	0.0034
532133.49	4256010.18	1.315	0.00149	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00149	0.0000	0.0015
532834.4	4256230.11	1.27371	0.00144	0.00000	0.00024	1.20621E-05	4.38351E-04	0.00146	0.0004	0.0019
532856.7	4256218.96	1.11643	0.00127	0.00000	0.00016	8.04141E-06	2.92234E-04	0.00127	0.0003	0.0016
532882.73	4256205.33	0.96175	0.00109	0.00000	0.00011	5.52847E-06	2.00911E-04	0.00110	0.0002	0.0013
532877.77	4256187.98	0.95099	0.00108	0.00000	0.00011	5.52847E-06	2.00911E-04	0.00108	0.0002	0.0013
532841.83	4256204.09	1.16861	0.00132	0.00000	0.00019	9.54917E-06	3.47028E-04	0.00133	0.0003	0.0017
532812.1	4256218.96	1.404	0.00159	0.00000	0.00036	1.80932E-05	6.57526E-04	0.00161	0.0007	0.0023
532726.6	4256157	2.01718	0.00229	0.00000	0.00091	4.57355E-05	1.66208E-03	0.00233	0.0017	0.0040
532748.9	4256153.28	1.73398	0.00197	0.00000	0.00054	2.71397E-05	9.86289E-04	0.00199	0.0010	0.0030
532768.73	4256137.18	1.47394	0.00167	0.00000	0.00034	1.70880E-05	6.20997E-04	0.00169	0.0006	0.0023
532787.31	4256123.54	1.27957	0.00145	0.00000	0.00024	1.20621E-05	4.38351E-04	0.00146	0.0004	0.0019
532810.86	4256103.72	1.07267	0.00122	0.00000	0.00016	8.04141E-06	2.92234E-04	0.00122	0.0003	0.0015
532799.7	4256081.41	1.07224	0.00122	0.00000	0.00015	7.53882E-06	2.73969E-04	0.00122	0.0003	0.0015
532782.36	4256066.55	1.12893	0.00128	0.00000	0.00015	7.53882E-06	2.73969E-04	0.00129	0.0003	0.0016
532776.16	4256036.81	1.07989	0.00122	0.00000	0.00013	6.53364E-06	2.37440E-04	0.00123	0.0002	0.0015
532746.42	4256055.39	1.32208	0.00150	0.00000	0.00018	9.04658E-06	3.28763E-04	0.00151	0.0003	0.0018
532715.44	4256075.22	1.70791	0.00194	0.00000	0.00032	1.60828E-05	5.84468E-04	0.00195	0.0006	0.0025
532693.14	4256092.57	2.09641	0.00238	0.00000	0.00063	3.16630E-05	1.15067E-03	0.00241	0.0012	0.0036
532709.25	4256142.13	2.16813	0.00246	0.00000	0.00113	5.67924E-05	2.06390E-03	0.00251	0.0021	0.0046
532699.34	4256121.07	2.17906	0.00247	0.00000	0.00098	4.92536E-05	1.78993E-03	0.00252	0.0018	0.0043
532756.85	4255990.46	1.10428	0.00125	0.00000	0.00010	5.02588E-06	1.82646E-04	0.00126	0.0002	0.0014

532737.31	4255956.13	1.18665	0.00134	0.00000	0.00008	4.02070E-06	1.46117E-04	0.00135	0.0001	0.0015
532739.68	4256007.03	1.2475	0.00141	0.00000	0.00013	6.53364E-06	2.37440E-04	0.00142	0.0002	0.0017
532707.13	4255970.93	1.43256	0.00162	0.00000	0.00010	5.02588E-06	1.82646E-04	0.00163	0.0002	0.0018
532687	4255986.91	1.66389	0.00189	0.00000	0.00012	6.03105E-06	2.19175E-04	0.00189	0.0002	0.0021
532663.33	4256007.03	2.01424	0.00228	0.00000	0.00015	7.53882E-06	2.73969E-04	0.00229	0.0003	0.0026
532643.2	4256024.2	2.41846	0.00274	0.00000	0.00018	9.04658E-06	3.28763E-04	0.00275	0.0003	0.0031
532622.49	4256040.77	2.96297	0.00336	0.00000	0.00021	1.05543E-05	3.83557E-04	0.00337	0.0004	0.0038
532597.04	4256054.38	3.95178	0.00448	0.00000	0.00022	1.10569E-05	4.01821E-04	0.00449	0.0004	0.0049
532571.59	4256061.49	5.27028	0.00597	0.00000	0.00018	9.04658E-06	3.28763E-04	0.00598	0.0003	0.0063
532536.67	4256078.06	8.68327	0.00984	0.00000	0.00013	6.53364E-06	2.37440E-04	0.00985	0.0002	0.0101
532501.15	4256097	16.5232	0.01873	0.00000	0.00009	4.52329E-06	1.64381E-04	0.01873	0.0002	0.0189
532489.32	4256120.08	25.61504	0.02903	0.00000	0.00010	5.02588E-06	1.82646E-04	0.02904	0.0002	0.0292
532499.97	4256141.98	24.74772	0.02805	0.00000	0.00018	9.04658E-06	3.28763E-04	0.02806	0.0003	0.0284
532511.22	4256140.2	19.01712	0.02155	0.00000	0.00028	1.40725E-05	5.11409E-04	0.02157	0.0005	0.0221
532530.82	4256123.84	12.31184	0.01395	0.00000	0.00038	1.90983E-05	6.94055E-04	0.01397	0.0007	0.0147
532551.53	4256111.32	8.49261	0.00963	0.00000	0.00045	2.26165E-05	8.21907E-04	0.00965	0.0008	0.0105
532575.21	4256090.96	5.75667	0.00652	0.00000	0.00039	1.96009E-05	7.12320E-04	0.00654	0.0007	0.0073
532604.8	4256074.32	3.93035	0.00445	0.00000	0.00040	2.01035E-05	7.30584E-04	0.00447	0.0007	0.0052
532648.3	4256054.3	2.54624	0.00289	0.00000	0.00040	2.01035E-05	7.30584E-04	0.00291	0.0007	0.0036
532685.23	4256040.18	1.86252	0.00211	0.00000	0.00026	1.30673E-05	4.74880E-04	0.00212	0.0005	0.0026
532708.31	4256027.16	1.54965	0.00176	0.00000	0.00018	9.04658E-06	3.28763E-04	0.00177	0.0003	0.0021
532560.39	4255753.8	2.78138	0.00315	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00315	0.0000	0.0032
532538.78	4255727.86	2.70364	0.00306	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00306	0.0000	0.0031
532492.68	4255784.05	3.84164	0.00435	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00435	0.0000	0.0044
532391.83	4255828.71	5.30576	0.00601	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00601	0.0000	0.0060
532435.05	4255808.54	4.76451	0.00540	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00540	0.0000	0.0054
532492.68	4255748.03	3.24	0.00367	0.00000	0.00001	5.02588E-07	1.82646E-05	0.00367	0.0000	0.0037
532678.53	4255861.85	1.69172	0.00192	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00192	0.0001	0.0020
532643.96	4255815.75	2.1979	0.00249	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00249	0.0001	0.0025
532589.21	4255838.8	3.19501	0.00362	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00362	0.0001	0.0037
532618.02	4255896.43	2.5072	0.00284	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00284	0.0001	0.0029
532582	4255932.45	3.21235	0.00364	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00364	0.0001	0.0037
532548.87	4255943.97	4.15903	0.00471	0.00000	0.00004	2.01035E-06	7.30584E-05	0.00472	0.0001	0.0048
532498.44	4255961.26	6.35284	0.00720	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00720	0.0001	0.0073
532452.34	4255982.87	10.52187	0.01192	0.00000	0.00002	1.00518E-06	3.65292E-05	0.01193	0.0000	0.0120
532400.47	4255931.01	15.93949	0.01806	0.00000	0.00002	1.00518E-06	3.65292E-05	0.01807	0.0000	0.0181
532455.22	4255923.8	9.40153	0.01066	0.00000	0.00002	1.00518E-06	3.65292E-05	0.01066	0.0000	0.0107
532491.24	4255905.07	6.56528	0.00744	0.00000	0.00002	1.00518E-06	3.65292E-05	0.00744	0.0000	0.0075
532518.61	4255887.79	5.39472	0.00611	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00612	0.0001	0.0062
532547.43	4255867.61	4.35347	0.00493	0.00000	0.00003	1.50776E-06	5.47938E-05	0.00494	0.0001	0.0050
CONCUNIT ug	/m^3	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000
DEPUNIT g/m	^2	0	0.00000	0.00000	0.00000	0.00000E+00	0.00000E+00	0.00000	0.0000	0.0000

Elnoka Construction DPM Emissions

Infant

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Year	Unit DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
3rd Trimester	1	10	361	0.85	0.25	11.6
1	1	10	1090	0.85	1	139.6
2	1	10	1090	0.85	1	139.6

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

Elnoka Construction DPM Emissions **at Sensitive Receptors** Tier IV for Phase I and no mitigations for other Phases

Cancer Risks-Infants

Estimated Cancer Risks from Construction DPM - Infant Receptors

Scenario 1

X (m)	Y (m)	Infant Cancer Risk (3rd Trimester) 2020 (/million)	Infant Cancer Risk (year 1) 2020 (/million)	Infant Cancer Risk (year 2) 2021 (/million)	Child Cancer Risk (year 1) 2022 (/million)	Child Cancer Risk (year 2) 2023 (/million)	Child Cancer Risk (year 3) 2024 (/million)	Child Cancer Risk (year 4) 2025 (/million)	Total Cancer Risk (/million)
532862.29	4256047.72	0.023	0.279	0.259	0.16	0.10	0.10	0.02	0.93
532839.56	4256029.53	0.027	0.321	0.297	0.18	0.14	0.12	0.02	1.09
532820.46	4255995.88	0.027	0.330	0.305	0.16	0.17	0.14	0.02	1.15
532825.92	4255944.04	0.019	0.230	0.213	0.09	0.11	0.13	0.02	0.81
532789.54	4255936.77	0.025	0.299	0.277	0.09	0.22	0.20	0.02	1.13
532768.62	4255908.57	0.024	0.291	0.269	0.06	0.20	0.26	0.02	1.12
532752.25	4255856.74	0.021	0.251	0.232	0.04	0.10	0.29	0.02	0.95
532784.99	4255815.81	0.014	0.167	0.155	0.03	0.07	0.16	0.02	0.62
532752.41	4255882.75	0.024	0.287	0.265	0.04	0.14	0.32	0.02	1.10
532771.07	4255831.73	0.016	0.196	0.181	0.03	0.08	0.20	0.02	0.73
532801.39	4255883.33	0.017	0.200	0.185	0.05	0.12	0.15	0.02	0.74
532815.67	4255858.55	0.013	0.162	0.150	0.05	0.09	0.12	0.02	0.59
532829.67	4255901.7	0.015	0.179	0.166	0.06	0.09	0.11	0.02	0.65
532846.58	4255878.38	0.012	0.144	0.133	0.05	0.07	0.09	0.01	0.52
532864.66	4255855.93	0.010	0.119	0.111	0.04	0.05	0.07	0.01	0.42
532838.12	4255838.72	0.011	0.131	0.121	0.04	0.07	0.09	0.01	0.47
532866.42	4255959.35	0.014	0.173	0.160	0.08	0.06	0.09	0.01	0.59
532871.67	4255990.02	0.016	0.188	0.174	0.09	0.06	0.09	0.01	0.63
532871.67	4255933.93	0.012	0.150	0.139	0.07	0.05	0.08	0.01	0.51
532882.16	4255912.94	0.011	0.129	0.120	0.06	0.04	0.07	0.01	0.44
532899.11	4255889.13	0.009	0.105	0.097	0.05	0.04	0.06	0.01	0.36
532916.87	4255985.98	0.010	0.122	0.113	0.06	0.03	0.06	0.01	0.41
532930.18	4255965	0.008	0.103	0.095	0.05	0.03	0.05	0.01	0.34
532916.46	4255866.54	0.007	0.087	0.080	0.04	0.03	0.05	0.01	0.30
532930.18	4255845.95	0.006	0.075	0.069	0.03	0.03	0.04	0.01	0.26
532944.71	4255935.95	0.007	0.084	0.078	0.04	0.02	0.04	0.01	0.28
532958.43	4255906.08	0.006	0.070	0.065	0.03	0.02	0.04	0.01	0.24
532970.94	4255886.31	0.005	0.061	0.057	0.03	0.02	0.03	0.01	0.21
532946.32	4255819.72	0.005	0.064	0.059	0.03	0.02	0.03	0.01	0.22
532991.12	4255858.46	0.004	0.052	0.048	0.02	0.01	0.03	0.01	0.17
533010.89	4255843.13	0.004	0.044	0.041	0.02	0.01	0.02	0.01	0.15
532884.58	4255809.23	0.007	0.085	0.079	0.03	0.04	0.05	0.01	0.30
532851.89	4255793.49	0.008	0.095	0.088	0.03	0.04	0.06	0.01	0.34
532824.05	4255791.48	0.010	0.118	0.109	0.03	0.05	0.09	0.02	0.43
533034.3	4255820.94	0.003	0.038	0.035	0.02	0.01	0.02	0.01	0.13
533054.47	4255804.39	0.003	0.033	0.031	0.01	0.01	0.02	0.01	0.11
532909.2	4256052.57	0.015	0.177	0.163	0.09	0.06	0.07	0.01	0.59
532944.71	4256040.06	0.010	0.119	0.110	0.06	0.04	0.05	0.01	0.40
532966.5	4256021.09	0.008	0.093	0.086	0.04	0.03	0.05	0.01	0.31
532997.98	4256021.9	0.006	0.075	0.070	0.03	0.02	0.04	0.01	0.25
532950.36	4256084.85	0.011	0.137	0.127	0.07	0.04	0.05	0.01	0.45
532990.71	4256062.25	0.007	0.089	0.082	0.04	0.03	0.04	0.01	0.30
533036.72	4256020.29	0.005	0.058	0.053	0.02	0.02	0.03	0.01	0.19
533057.7	4256017.06	0.004	0.049	0.046	0.02	0.01	0.03	0.01	0.17
533018.96	4255976.7	0.005	0.058	0.054	0.02	0.01	0.03	0.01	0.19
533047.61	4255967.02	0.004	0.047	0.043	0.02	0.01	0.03	0.01	0.16
532985.47	4255968.23	0.006	0.070	0.065	0.03	0.02	0.04	0.01	0.23
533002.01	4255941.59	0.005	0.058	0.053	0.03	0.01	0.03	0.01	0.19
533019.77	4255916.58	0.004	0.049	0.045	0.02	0.01	0.03	0.01	0.16
533030.26	4255895.99	0.004	0.043	0.040	0.02	0.01	0.02	0.01	0.14
533059.72	4255876.22	0.003	0.035	0.033	0.02	0.01	0.02	0.01	0.12
533068.19	4255956.12	0.003	0.040	0.037	0.02	0.01	0.02	0.01	0.14
533085.55	4256006.57	0.003	0.042	0.039	0.02	0.01	0.02	0.01	0.14
533113.79	4255991.23	0.003	0.036	0.033	0.01	0.01	0.02	0.01	0.12
533090.79	4255942.81	0.003	0.035	0.033	0.01	0.01	0.02	0.01	0.12
533138.01	4255979.93	0.003	0.031	0.029	0.01	0.01	0.02	0.01	0.11
533115.01	4255927.07	0.003	0.031	0.029	0.01	0.01	0.02	0.00	0.10
533156.17	4255967.02	0.002	0.028	0.026	0.01	0.01	0.02	0.00	0.10
533137.2	4255912.14	0.002	0.027	0.025	0.01	0.01	0.02	0.00	0.09
532524.44	4256235.64	0.053	0.645	0.596	0.12	0.34	0.24	0.33	2.33
532509.17	4256223.67	0.059	0.710	0.657	0.08	0.37	0.26	0.45	2.58
532492.71	4256241.32	0.055	0.665	0.615	0.06	0.25	0.23	0.52	2.39
532478.35	4256259.28	0.050	0.606	0.560	0.05	0.18	0.20	0.53	2.18
532464.28	4256274.25	0.047	0.564	0.522	0.04	0.14	0.18	0.55	2.03
532544.49	4256258.08	0.048	0.578	0.534	0.18	0.28	0.21	0.24	2.07
532451.71	4256294.9	0.042	0.505	0.467	0.04	0.11	0.15	0.51	1.83
532437.65	4256313.75	0.038	0.460	0.426	0.03	0.09	0.14	0.49	1.67
532389.76	4256310.76	0.043	0.517	0.479	0.02	0.06	0.12	0.68	1.91
532404.75	4256293.03	0.047	0.570	0.527	0.02	0.07	0.13	0.74	2.10
532175.23	4256196.06	0.015	0.182	0.168	0.00	0.00	0.04	0.26	0.68
532165.28	4256184.87	0.012	0.149	0.138	0.00	0.00	0.04	0.21	0.55
532120.55	4256157.12	0.005	0.058	0.053	0.00	0.00	0.03	0.06	0.21
532513.25	4256183.63	0.076	0.918	0.848	0.05	0.77	0.36	0.47	3.49
532534.79	4256190.67	0.069	0.834	0.771	0.14	0.71	0.33	0.31	3.17
532551.36	4256205.17	0.064	0.772	0.714	0.27	0.56	0.29	0.25	2.91
532567.51	4256226.3	0.061	0.739	0.684	0.37	0.41	0.24	0.20	2.70
532577.87	4256251.57	0.058	0.695	0.643	0.40	0.30	0.20	0.17	2.47
532423.77	4256334.42	0.034	0.415	0.384	0.03	0.07	0.12	0.46	1.51
532306.13	4256321.16	0.038	0.460	0.425	0.01	0.02	0.08	0.71	1.75
532332.64	4256344.36	0.033	0.404	0.374	0.01	0.03	0.08	0.58	1.51
532365.78	4256346.43	0.034	0.405	0.375	0.02	0.04	0.09	0.54	1.50
532374.89	4256332.34	0.037	0.447	0.414	0.02	0.05	0.10	0.60	1.66
532393.12	4256371.28	0.029	0.345	0.320	0.02	0.05	0.09	0.40	1.26
532404.72	4256354.71	0.031	0.376	0.348	0.02	0.06	0.10	0.43	1.37
532556.33	4256278.08	0.045	0.545	0.504	0.21	0.23	0.18	0.20	1.92
532219.49	4255941.37	0.005	0.061	0.056	0.00	0.00	0.03	0.06	0.22
532133.49	4256010.18	0.003	0.032	0.029	0.00	0.00	0.02	0.03	0.11
0	0	0.000	0.000	0.000	0.00	0.09	0.08	0.03	0.20
0	0	0.000	0.000	0.000	0.00	0.08	0.07	0.02	0.18

Maximum: 3.5
BAAQMD's significance thresholds: 10
Exceed thresholds? **No**

Scenario 2

X (m)	Y (m)	Infant Cancer Risk (3rd Trimester) 2021 (/million)	Infant Cancer Risk (year 1) 2021 (/million)	Infant Cancer Risk (year 2) 2022 (/million)	Child Cancer Risk (year 1) 2023 (/million)	Child Cancer Risk (year 2) 2024 (/million)	Child Cancer Risk (year 3) 2025 (/million)	Total Cancer Risk (/million)
532862.29	4256047.72	0.02	0.26	1.20	0.10	0.10	0.02	1.69133
532839.56	4256029.53	0.02	0.30	1.32	0.14	0.12	0.02	1.91631
532820.46	4255995.88	0.03	0.31	1.20	0.17	0.14	0.02	1.85746
532825.92	4255944.04	0.02	0.21	0.70	0.11	0.13	0.02	1.19051
532789.54	4255936.77	0.02	0.28	0.66	0.22	0.20	0.02	1.39729
532768.62	4255908.57	0.02	0.27	0.45	0.20	0.26	0.02	1.21156
532752.25	4255856.74	0.02	0.23	0.28	0.10	0.29	0.02	0.94120
532784.99	4255815.81	0.01	0.15	0.24	0.07	0.16	0.02	0.65531
532752.41	4255882.75	0.02	0.26	0.33	0.14	0.32	0.02	1.09834
532771.07	4255831.73	0.01	0.18	0.25	0.08	0.20	0.02	0.75180
532801.39	4255883.33	0.02	0.18	0.40	0.12	0.15	0.02	0.88786
532815.67	4255858.55	0.01	0.15	0.34	0.09	0.12	0.02	0.72420
532829.67	4255901.7	0.01	0.17	0.47	0.09	0.11	0.02	0.87613
532846.58	4255878.38	0.01	0.13	0.39	0.07	0.09	0.01	0.70806
532864.66	4255855.93	0.01	0.11	0.33	0.05	0.07	0.01	0.58776
532838.12	4255838.72	0.01	0.12	0.30	0.07	0.09	0.01	0.59978
532866.42	4255959.35	0.01	0.16	0.61	0.06	0.09	0.01	0.94081
532871.67	4255990.02	0.01	0.17	0.69	0.06	0.09	0.01	1.04566
532871.67	4255933.93	0.01	0.14	0.50	0.05	0.08	0.01	0.80022
532882.16	4255912.94	0.01	0.12	0.42	0.04	0.07	0.01	0.68256
532899.11	4255889.13	0.01	0.10	0.34	0.04	0.06	0.01	0.55041
532916.87	4255985.98	0.01	0.11	0.44	0.03	0.06	0.01	0.66464
532930.18	4255965	0.01	0.09	0.36	0.03	0.05	0.01	0.55115
532916.46	4255866.54	0.01	0.08	0.28	0.03	0.05	0.01	0.45242
532930.18	4255845.95	0.01	0.07	0.24	0.03	0.04	0.01	0.38738
532944.71	4255935.95	0.01	0.08	0.29	0.02	0.04	0.01	0.45044
532958.43	4255906.08	0.01	0.07	0.24	0.02	0.04	0.01	0.37319
532970.94	4255886.31	0.00	0.06	0.21	0.02	0.03	0.01	0.32316
532946.32	4255819.72	0.00	0.06	0.20	0.02	0.03	0.01	0.32629
532991.12	4255858.46	0.00	0.05	0.17	0.01	0.03	0.01	0.27111
533010.89	4255843.13	0.00	0.04	0.15	0.01	0.02	0.01	0.23463
532884.58	4255809.23	0.01	0.08	0.22	0.04	0.05	0.01	0.40762
532851.89	4255793.49	0.01	0.09	0.21	0.04	0.06	0.01	0.42456
532824.05	4255791.48	0.01	0.11	0.22	0.05	0.09	0.02	0.49763
533034.3	4255820.94	0.00	0.03	0.13	0.01	0.02	0.01	0.19801
533054.47	4255804.39	0.00	0.03	0.11	0.01	0.02	0.01	0.17247
532909.2	4256052.57	0.01	0.16	0.71	0.06	0.07	0.01	1.02069
532944.71	4256040.06	0.01	0.11	0.43	0.04	0.05	0.01	0.65247
532966.5	4256021.09	0.01	0.09	0.32	0.03	0.05	0.01	0.49568
532997.98	4256021.9	0.01	0.07	0.25	0.02	0.04	0.01	0.39007
532950.36	4256084.85	0.01	0.13	0.53	0.04	0.05	0.01	0.77334
532990.71	4256062.25	0.01	0.08	0.30	0.03	0.04	0.01	0.46927
533036.72	4256020.29	0.00	0.05	0.17	0.02	0.03	0.01	0.28649
533057.7	4256017.06	0.00	0.05	0.15	0.01	0.03	0.01	0.24388
533018.96	4255976.7	0.00	0.05	0.19	0.01	0.03	0.01	0.29682
533047.61	4255967.02	0.00	0.04	0.15	0.01	0.03	0.01	0.23582
532985.47	4255968.23	0.01	0.06	0.23	0.02	0.04	0.01	0.36503
533002.01	4255941.59	0.00	0.05	0.19	0.01	0.03	0.01	0.29946
533019.77	4255916.58	0.00	0.05	0.16	0.01	0.03	0.01	0.25026
533030.26	4255895.99	0.00	0.04	0.14	0.01	0.02	0.01	0.22466
533059.72	4255876.22	0.00	0.03	0.12	0.01	0.02	0.01	0.18287
533068.19	4255956.12	0.00	0.04	0.12	0.01	0.02	0.01	0.20243
533085.55	4256006.57	0.00	0.04	0.12	0.01	0.02	0.01	0.20277
533113.79	4255991.23	0.00	0.03	0.10	0.01	0.02	0.01	0.17038
533090.79	4255942.81	0.00	0.03	0.11	0.01	0.02	0.01	0.17564
533138.01	4255979.93	0.00	0.03	0.08	0.01	0.02	0.01	0.14828
533115.01	4255927.07	0.00	0.03	0.09	0.01	0.02	0.00	0.15157
533156.17	4255967.02	0.00	0.03	0.08	0.01	0.02	0.00	0.13298
533137.2	4255912.14	0.00	0.03	0.08	0.01	0.02	0.00	0.13270
532524.44	4256235.64	0.05	0.60	0.91	0.34	0.24	0.33	2.47019
532509.17	4256223.67	0.05	0.66	0.59	0.37	0.26	0.45	2.37735
532492.71	4256241.32	0.05	0.61	0.44	0.25	0.23	0.52	2.10364
532478.35	4256259.28	0.05	0.56	0.36	0.18	0.20	0.53	1.87410
532464.28	4256274.25	0.04	0.52	0.30	0.14	0.18	0.55	1.72349
532544.49	4256258.08	0.04	0.53	1.38	0.28	0.21	0.24	2.69134
532451.71	4256294.9	0.04	0.47	0.26	0.11	0.15	0.51	1.54598
532437.65	4256313.75	0.04	0.43	0.23	0.09	0.14	0.49	1.40686
532389.76	4256310.76	0.04	0.48	0.13	0.06	0.12	0.68	1.50217
532404.75	4256293.03	0.04	0.53	0.14	0.07	0.13	0.74	1.64740
532175.23	4256196.06	0.01	0.17	0.02	0.00	0.04	0.26	0.50660
532165.28	4256184.87	0.01	0.14	0.02	0.00	0.04	0.21	0.41358
532120.55	4256157.12	0.00	0.05	0.01	0.00	0.03	0.06	0.16146
532513.25	4256183.63	0.07	0.85	0.41	0.77	0.36	0.47	2.92036
532534.79	4256190.67	0.06	0.77	1.07	0.71	0.33	0.31	3.26064
532551.36	4256205.17	0.06	0.71	2.00	0.56	0.29	0.25	3.86356
532567.51	4256226.3	0.06	0.68	2.76	0.41	0.24	0.20	4.34870
532577.87	4256251.57	0.05	0.64	2.97	0.30	0.20	0.17	4.34456
532423.77	4256334.42	0.03	0.38	0.21	0.07	0.12	0.46	1.27200
532306.13	4256321.16	0.04	0.42	0.06	0.02	0.08	0.71	1.33518
532332.64	4256344.36	0.03	0.37	0.08	0.03	0.08	0.58	1.17830
532365.78	4256346.43	0.03	0.37	0.11	0.04	0.09	0.54	1.19175
532374.89	4256332.34	0.03	0.41	0.12	0.05	0.10	0.60	1.31080
532393.12	4256371.28	0.03	0.32	0.16	0.05	0.09	0.40	1.05095
532404.72	4256354.71	0.03	0.35	0.18	0.06	0.10	0.43	1.14760
532556.33	4256278.08	0.04	0.50	1.60	0.23	0.18	0.20	2.75724
532219.49	4255941.37	0.00	0.06	0.01	0.00	0.03	0.06	0.16953
532133.49	4256010.18	0.00	0.03	0.01	0.00	0.02	0.03	0.08854
0	0	0.00	0.00	0.00	0.09	0.08	0.03	0.19798
0	0	0.00	0.00	0.00	0.08	0.07	0.02	0.17630

Maximum: 4.3
BAAQMD's significance thresholds: 10
Exceed thresholds? **No**

Scenario 3

X (m)	Y (m)	Infant Cancer Risk (3rd Trimester) 2022 (/million)	Infant Cancer Risk (year 1) 2022 (/million)	Infant Cancer Risk (year 2) 2023 (/million)	Child Cancer Risk (year 1) 2024 (/million)	Child Cancer Risk (year 2) 2025 (/million)	Total Cancer Risk (/million)
532862.29	4256047.72	0.10	1.20	0.77	0.10	0.02	2.18
532839.56	4256029.53	0.11	1.32	1.05	0.12	0.02	2.62
532820.46	4255995.88	0.10	1.20	1.25	0.14	0.02	2.71
532825.92	4255944.04	0.06	0.70	0.84	0.13	0.02	1.75
532789.54	4255936.77	0.05	0.66	1.65	0.20	0.02	2.58
532768.62	4255908.57	0.04	0.45	1.47	0.26	0.02	2.23
532752.25	4255856.74	0.02	0.28	0.78	0.29	0.02	1.39
532784.99	4255815.81	0.02	0.24	0.54	0.16	0.02	0.98
532752.41	4255882.75	0.03	0.33	1.04	0.32	0.02	1.74
532771.07	4255831.73	0.02	0.25	0.63	0.20	0.02	1.12
532801.39	4255883.33	0.03	0.40	0.89	0.15	0.02	1.49
532815.67	4255858.55	0.03	0.34	0.66	0.12	0.02	1.16
532829.67	4255901.7	0.04	0.47	0.71	0.11	0.02	1.35
532846.58	4255878.38	0.03	0.39	0.53	0.09	0.01	1.06
532864.66	4255855.93	0.03	0.33	0.41	0.07	0.01	0.85
532838.12	4255838.72	0.02	0.30	0.49	0.09	0.01	0.92
532866.42	4255959.35	0.05	0.61	0.42	0.09	0.01	1.18
532871.67	4255990.02	0.06	0.69	0.46	0.09	0.01	1.31
532871.67	4255933.93	0.04	0.50	0.38	0.08	0.01	1.02
532882.16	4255912.94	0.04	0.42	0.34	0.07	0.01	0.88
532899.11	4255889.13	0.03	0.34	0.27	0.06	0.01	0.71
532916.87	4255985.98	0.04	0.44	0.25	0.06	0.01	0.79
532930.18	4255965	0.03	0.36	0.19	0.05	0.01	0.65
532916.46	4255866.54	0.02	0.28	0.23	0.05	0.01	0.58
532930.18	4255845.95	0.02	0.24	0.19	0.04	0.01	0.50
532944.71	4255935.95	0.02	0.29	0.15	0.04	0.01	0.52
532958.43	4255906.08	0.02	0.24	0.13	0.04	0.01	0.44
532970.94	4255886.31	0.02	0.21	0.12	0.03	0.01	0.38
532946.32	4255819.72	0.02	0.20	0.17	0.03	0.01	0.42
532991.12	4255858.46	0.01	0.17	0.10	0.03	0.01	0.32
533010.89	4255843.13	0.01	0.15	0.09	0.02	0.01	0.28
532884.58	4255809.23	0.02	0.22	0.27	0.05	0.01	0.58
532851.89	4255793.49	0.02	0.21	0.32	0.06	0.01	0.62
532824.05	4255791.48	0.02	0.22	0.40	0.09	0.02	0.74
533034.3	4255820.94	0.01	0.13	0.08	0.02	0.01	0.24
533054.47	4255804.39	0.01	0.11	0.07	0.02	0.01	0.21
532909.2	4256052.57	0.06	0.71	0.42	0.07	0.01	1.27
532944.71	4256040.06	0.04	0.43	0.27	0.05	0.01	0.80
532966.5	4256021.09	0.03	0.32	0.20	0.05	0.01	0.60
532997.98	4256021.9	0.02	0.25	0.16	0.04	0.01	0.47
532950.36	4256084.85	0.04	0.53	0.32	0.05	0.01	0.96
532990.71	4256062.25	0.02	0.30	0.20	0.04	0.01	0.58
533036.72	4256020.29	0.01	0.17	0.12	0.03	0.01	0.35
533057.7	4256017.06	0.01	0.15	0.10	0.03	0.01	0.29
533018.96	4255976.7	0.02	0.19	0.11	0.03	0.01	0.35
533047.61	4255967.02	0.01	0.15	0.08	0.03	0.01	0.27
532985.47	4255968.23	0.02	0.23	0.13	0.04	0.01	0.42
533002.01	4255941.59	0.02	0.19	0.10	0.03	0.01	0.34
533019.77	4255916.58	0.01	0.16	0.08	0.03	0.01	0.28
533030.26	4255895.99	0.01	0.14	0.07	0.02	0.01	0.26
533059.72	4255876.22	0.01	0.12	0.06	0.02	0.01	0.21
533068.19	4255956.12	0.01	0.12	0.07	0.02	0.01	0.23
533085.55	4256006.57	0.01	0.12	0.08	0.02	0.01	0.24
533113.79	4255991.23	0.01	0.10	0.07	0.02	0.01	0.20
533090.79	4255942.81	0.01	0.11	0.06	0.02	0.01	0.20
533138.01	4255979.93	0.01	0.08	0.06	0.02	0.01	0.18
533115.01	4255927.07	0.01	0.09	0.05	0.02	0.00	0.17
533156.17	4255967.02	0.01	0.08	0.05	0.02	0.00	0.16
533137.2	4255912.14	0.01	0.08	0.05	0.02	0.00	0.15
532524.44	4256235.64	0.08	0.91	2.57	0.24	0.33	4.13
532509.17	4256223.67	0.05	0.59	2.77	0.26	0.45	4.12
532492.71	4256241.32	0.04	0.44	1.89	0.23	0.52	3.12
532478.35	4256259.28	0.03	0.36	1.36	0.20	0.53	2.47
532464.28	4256274.25	0.02	0.30	1.05	0.18	0.55	2.09
532544.49	4256258.08	0.11	1.38	2.10	0.21	0.24	4.05
532451.71	4256294.9	0.02	0.26	0.82	0.15	0.51	1.77
532437.65	4256313.75	0.02	0.23	0.65	0.14	0.49	1.53
532389.76	4256310.76	0.01	0.13	0.41	0.12	0.68	1.35
532404.75	4256293.03	0.01	0.14	0.50	0.13	0.74	1.52
532175.23	4256196.06	0.00	0.02	0.03	0.04	0.26	0.35
532165.28	4256184.87	0.00	0.02	0.03	0.04	0.21	0.29
532120.55	4256157.12	0.00	0.01	0.02	0.03	0.06	0.12
532513.25	4256183.63	0.03	0.41	5.76	0.36	0.47	7.03
532534.79	4256190.67	0.09	1.07	5.33	0.33	0.31	7.14
532551.36	4256205.17	0.17	2.00	4.17	0.29	0.25	6.87
532567.51	4256226.3	0.23	2.76	3.05	0.24	0.20	6.48
532577.87	4256251.57	0.25	2.97	2.26	0.20	0.17	5.86
532423.77	4256334.42	0.02	0.21	0.53	0.12	0.46	1.33
532306.13	4256321.16	0.00	0.06	0.17	0.08	0.71	1.03
532332.64	4256344.36	0.01	0.08	0.23	0.08	0.58	0.98
532365.78	4256346.43	0.01	0.11	0.31	0.09	0.54	1.07
532374.89	4256332.34	0.01	0.12	0.35	0.10	0.60	1.17
532393.12	4256371.28	0.01	0.16	0.37	0.09	0.40	1.04
532404.72	4256354.71	0.01	0.18	0.43	0.10	0.43	1.15
532556.33	4256278.08	0.13	1.60	1.74	0.18	0.20	3.85
532219.49	4255941.37	0.00	0.01	0.02	0.03	0.06	0.13
532133.49	4256010.18	0.00	0.01	0.01	0.02	0.03	0.07
0	0	0.00	0.00	0.71	0.08	0.03	0.81
0	0	0.00	0.00	0.62	0.07	0.02	0.71

Maximum: 7.1
BAAQMD's significance thresholds: 10
Exceed thresholds? **No**

Scenario 4

X (m)	Y (m)	Infant Cancer Risk (3rd Trimester) 2023 (/million)	Infant Cancer Risk (year 1) 2023 (/million)	Infant Cancer Risk (year 2) 2024 (/million)	Child Cancer Risk (year 1) 2025 (/million)	Total Cancer Risk (/million)
532862.29	4256047.72	0.06	0.77	0.71	0.02	1.57
532839.56	4256029.53	0.09	1.05	0.87	0.02	2.02
532820.46	4255995.88	0.10	1.25	1.05	0.02	2.42
532825.92	4255944.04	0.07	0.84	0.97	0.02	1.90
532789.54	4255936.77	0.14	1.65	1.48	0.02	3.29
532768.62	4255908.57	0.12	1.47	1.92	0.02	3.53
532752.25	4255856.74	0.06	0.78	2.15	0.02	3.02
532784.99	4255815.81	0.04	0.54	1.18	0.02	1.78
532752.41	4255882.75	0.09	1.04	2.37	0.02	3.52
532771.07	4255831.73	0.05	0.63	1.49	0.02	2.19
532801.39	4255883.33	0.07	0.89	1.13	0.02	2.11
532815.67	4255858.55	0.05	0.66	0.89	0.02	1.62
532829.67	4255901.7	0.06	0.71	0.86	0.02	1.64
532846.58	4255878.38	0.04	0.53	0.68	0.01	1.27
532864.66	4255855.93	0.03	0.41	0.54	0.01	1.00
532838.12	4255838.72	0.04	0.49	0.67	0.01	1.21
532866.42	4255959.35	0.03	0.42	0.68	0.01	1.15
532871.67	4255990.02	0.04	0.46	0.67	0.01	1.18
532871.67	4255933.93	0.03	0.38	0.62	0.01	1.04
532882.16	4255912.94	0.03	0.34	0.54	0.01	0.91
532899.11	4255889.13	0.02	0.27	0.43	0.01	0.74
532916.87	4255985.98	0.02	0.25	0.46	0.01	0.74
532930.18	4255965	0.02	0.19	0.40	0.01	0.62
532916.46	4255866.54	0.02	0.23	0.35	0.01	0.60
532930.18	4255845.95	0.02	0.19	0.30	0.01	0.52
532944.71	4255935.95	0.01	0.15	0.34	0.01	0.51
532958.43	4255906.08	0.01	0.13	0.28	0.01	0.43
532970.94	4255886.31	0.01	0.12	0.24	0.01	0.37
532946.32	4255819.72	0.01	0.17	0.25	0.01	0.43
532991.12	4255858.46	0.01	0.10	0.19	0.01	0.31
533010.89	4255843.13	0.01	0.09	0.17	0.01	0.27
532884.58	4255809.23	0.02	0.27	0.38	0.01	0.69
532851.89	4255793.49	0.03	0.32	0.48	0.01	0.84
532824.05	4255791.48	0.03	0.40	0.69	0.02	1.14
533034.3	4255820.94	0.01	0.08	0.14	0.01	0.23
533054.47	4255804.39	0.01	0.07	0.12	0.01	0.20
532909.2	4256052.57	0.04	0.42	0.51	0.01	0.99
532944.71	4256040.06	0.02	0.27	0.41	0.01	0.71
532966.5	4256021.09	0.02	0.20	0.36	0.01	0.58
532997.98	4256021.9	0.01	0.16	0.30	0.01	0.48
532950.36	4256084.85	0.03	0.32	0.39	0.01	0.75
532990.71	4256062.25	0.02	0.20	0.32	0.01	0.55
533036.72	4256020.29	0.01	0.12	0.24	0.01	0.38
533057.7	4256017.06	0.01	0.10	0.22	0.01	0.33
533018.96	4255976.7	0.01	0.11	0.24	0.01	0.36
533047.61	4255967.02	0.01	0.08	0.20	0.01	0.30
532985.47	4255968.23	0.01	0.13	0.28	0.01	0.42
533002.01	4255941.59	0.01	0.10	0.23	0.01	0.35
533019.77	4255916.58	0.01	0.08	0.19	0.01	0.29
533030.26	4255895.99	0.01	0.07	0.17	0.01	0.26
533059.72	4255876.22	0.01	0.06	0.14	0.01	0.21
533068.19	4255956.12	0.01	0.07	0.17	0.01	0.26
533085.55	4256006.57	0.01	0.08	0.19	0.01	0.28
533113.79	4255991.23	0.01	0.07	0.16	0.01	0.24
533090.79	4255942.81	0.01	0.06	0.15	0.01	0.22
533138.01	4255979.93	0.00	0.06	0.14	0.01	0.21
533115.01	4255927.07	0.00	0.05	0.13	0.00	0.19
533156.17	4255967.02	0.00	0.05	0.13	0.00	0.19
533137.2	4255912.14	0.00	0.05	0.12	0.00	0.17
532524.44	4256235.64	0.21	2.57	1.79	0.33	4.91
532509.17	4256223.67	0.23	2.77	1.96	0.45	5.41
532492.71	4256241.32	0.16	1.89	1.72	0.52	4.29
532478.35	4256259.28	0.11	1.36	1.49	0.53	3.50
532464.28	4256274.25	0.09	1.05	1.33	0.55	3.01
532544.49	4256258.08	0.17	2.10	1.54	0.24	4.06
532451.71	4256294.9	0.07	0.82	1.15	0.51	2.55
532437.65	4256313.75	0.05	0.65	1.01	0.49	2.21
532389.76	4256310.76	0.03	0.41	0.88	0.68	2.01
532404.75	4256293.03	0.04	0.50	1.00	0.74	2.28
532175.23	4256196.06	0.00	0.03	0.31	0.26	0.61
532165.28	4256184.87	0.00	0.03	0.29	0.21	0.53
532120.55	4256157.12	0.00	0.02	0.19	0.06	0.28
532513.25	4256183.63	0.48	5.76	2.67	0.47	9.39
532534.79	4256190.67	0.44	5.33	2.46	0.31	8.55
532551.36	4256205.17	0.35	4.17	2.16	0.25	6.92
532567.51	4256226.3	0.25	3.05	1.82	0.20	5.33
532577.87	4256251.57	0.19	2.26	1.53	0.17	4.16
532423.77	4256334.42	0.04	0.53	0.89	0.46	1.93
532306.13	4256321.16	0.01	0.17	0.59	0.71	1.50
532332.64	4256344.36	0.02	0.23	0.62	0.58	1.45
532365.78	4256346.43	0.03	0.31	0.70	0.54	1.58
532374.89	4256332.34	0.03	0.35	0.77	0.60	1.74
532393.12	4256371.28	0.03	0.37	0.70	0.40	1.50
532404.72	4256354.71	0.04	0.43	0.77	0.43	1.67
532556.33	4256278.08	0.14	1.74	1.36	0.20	3.44
532219.49	4255941.37	0.00	0.02	0.22	0.06	0.31
532133.49	4256010.18	0.00	0.01	0.13	0.03	0.18
0	0	0.06	0.71	0.57	0.03	1.37
0	0	0.05	0.62	0.53	0.02	1.22

Maximum: 9.4
BAAQMD's significance thresholds: 10
Exceed thresholds? **No**

Scenario 5

X (m)	Y (m)	Infant Cancer Risk (3rd Trimester) 2024 (/million)	Infant Cancer Risk (year 1) 2024 (/million)	Infant Cancer Risk (year 2) 2025 (/million)	Total Cancer Risk (/million)
532862.29	4256047.72	0.06	0.71	0.11	0.89
532839.56	4256029.53	0.07	0.87	0.12	1.06
532820.46	4255995.88	0.09	1.05	0.13	1.27
532825.92	4255944.04	0.08	0.97	0.12	1.17
532789.54	4255936.77	0.12	1.48	0.14	1.75
532768.62	4255908.57	0.16	1.92	0.16	2.23
532752.25	4255856.74	0.18	2.15	0.18	2.51
532784.99	4255815.81	0.10	1.18	0.15	1.42
532752.41	4255882.75	0.20	2.37	0.17	2.74
532771.07	4255831.73	0.12	1.49	0.16	1.77
532801.39	4255883.33	0.09	1.13	0.13	1.35
532815.67	4255858.55	0.07	0.89	0.12	1.09
532829.67	4255901.7	0.07	0.86	0.11	1.04
532846.58	4255878.38	0.06	0.68	0.11	0.84
532864.66	4255855.93	0.05	0.54	0.10	0.69
532838.12	4255838.72	0.06	0.67	0.11	0.84
532866.42	4255959.35	0.06	0.68	0.10	0.83
532871.67	4255990.02	0.06	0.67	0.10	0.83
532871.67	4255933.93	0.05	0.62	0.09	0.76
532882.16	4255912.94	0.04	0.54	0.09	0.67
532899.11	4255889.13	0.04	0.43	0.08	0.55
532916.87	4255985.98	0.04	0.46	0.08	0.58
532930.18	4255965	0.03	0.40	0.07	0.51
532916.46	4255866.54	0.03	0.35	0.07	0.45
532930.18	4255845.95	0.02	0.30	0.07	0.39
532944.71	4255935.95	0.03	0.34	0.06	0.43
532958.43	4255906.08	0.02	0.28	0.06	0.36
532970.94	4255886.31	0.02	0.24	0.06	0.31
532946.32	4255819.72	0.02	0.25	0.06	0.33
532991.12	4255858.46	0.02	0.19	0.05	0.26
533010.89	4255843.13	0.01	0.17	0.05	0.23
532884.58	4255809.23	0.03	0.38	0.09	0.49
532851.89	4255793.49	0.04	0.48	0.10	0.62
532824.05	4255791.48	0.06	0.69	0.12	0.87
533034.3	4255820.94	0.01	0.14	0.04	0.19
533054.47	4255804.39	0.01	0.12	0.04	0.17
532909.2	4256052.57	0.04	0.51	0.09	0.65
532944.71	4256040.06	0.03	0.41	0.08	0.52
532966.5	4256021.09	0.03	0.36	0.07	0.45
532997.98	4256021.9	0.02	0.30	0.06	0.38
532950.36	4256084.85	0.03	0.39	0.09	0.51
532990.71	4256062.25	0.03	0.32	0.07	0.42
533036.72	4256020.29	0.02	0.24	0.05	0.32
533057.7	4256017.06	0.02	0.22	0.05	0.28
533018.96	4255976.7	0.02	0.24	0.05	0.31
533047.61	4255967.02	0.02	0.20	0.05	0.26
532985.47	4255968.23	0.02	0.28	0.06	0.36
533002.01	4255941.59	0.02	0.23	0.05	0.30
533019.77	4255916.58	0.02	0.19	0.05	0.26
533030.26	4255895.99	0.01	0.17	0.04	0.23
533059.72	4255876.22	0.01	0.14	0.04	0.19
533068.19	4255956.12	0.01	0.17	0.04	0.23
533085.55	4256006.57	0.02	0.19	0.05	0.25
533113.79	4255991.23	0.01	0.16	0.04	0.22
533090.79	4255942.81	0.01	0.15	0.04	0.20
533138.01	4255979.93	0.01	0.14	0.04	0.19
533115.01	4255927.07	0.01	0.13	0.04	0.18
533156.17	4255967.02	0.01	0.13	0.04	0.17
533137.2	4255912.14	0.01	0.12	0.03	0.16
532524.44	4256235.64	0.15	1.79	2.50	4.45
532509.17	4256223.67	0.16	1.96	3.37	5.50
532492.71	4256241.32	0.14	1.72	3.88	5.74
532478.35	4256259.28	0.12	1.49	3.99	5.60
532464.28	4256274.25	0.11	1.33	4.09	5.53
532544.49	4256258.08	0.13	1.54	1.82	3.49
532451.71	4256294.9	0.10	1.15	3.86	5.11
532437.65	4256313.75	0.08	1.01	3.70	4.79
532389.76	4256310.76	0.07	0.88	5.13	6.09
532404.75	4256293.03	0.08	1.00	5.53	6.62
532175.23	4256196.06	0.03	0.31	1.96	2.30
532165.28	4256184.87	0.02	0.29	1.55	1.86
532120.55	4256157.12	0.02	0.19	0.48	0.68
532513.25	4256183.63	0.22	2.67	3.53	6.42
532534.79	4256190.67	0.20	2.46	2.36	5.02
532551.36	4256205.17	0.18	2.16	1.85	4.19
532567.51	4256226.3	0.15	1.82	1.49	3.47
532577.87	4256251.57	0.13	1.53	1.30	2.96
532423.77	4256334.42	0.07	0.89	3.45	4.41
532306.13	4256321.16	0.05	0.59	5.36	6.00
532332.64	4256344.36	0.05	0.62	4.34	5.01
532365.78	4256346.43	0.06	0.70	4.03	4.79
532374.89	4256332.34	0.06	0.77	4.47	5.30
532393.12	4256371.28	0.06	0.70	3.00	3.75
532404.72	4256354.71	0.06	0.77	3.26	4.09
532556.33	4256278.08	0.11	1.36	1.51	2.98
532219.49	4255941.37	0.02	0.22	0.47	0.71
532133.49	4256010.18	0.01	0.13	0.21	0.35
0	0	0.05	0.57	0.20	0.82
0	0	0.04	0.53	0.18	0.75

Maximum: 6.6
BAAQMD's significance thresholds: 10
Exceed thresholds? **No**

Elnoka Construction DPM Emissions

Tier IV Mitigation, Fugtive Dust Control

Child

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child
UTM: (565046,4185977)

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Year	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
2020	1	3	572	0.72	1	18.6
2021	1	3	572	0.72	1	18.6
2022	1	3	572	0.72	1	18.6
2023	1	3	572	0.72	1	18.6
2024	1	3	572	0.72	1	18.6
2025	1	3	572	0.72	1	18.6

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

Elnoka Construction DPM Emissions **at Sensitive Receptors**

Cancer Risks - Child

Estimated Cancer Risks from Construction DPM

X (m)	Y (m)	Child Cancer Risk (year 1) 2020 (/million)	Child Cancer Risk (year 2) 2021 (/million)	Child Cancer Risk (year 3) 2022 (/million)	Child Cancer Risk (year 4) 2023 (/million)	Child Cancer Risk (year 5) 2024 (/million)	Child Cancer Risk (year 6) 2025 (/million)	Total Cancer Risk (/million)	Maximum
									1.9
532862.29	4256047.72	0.037	0.034	0.160	0.103	0.095	0.015	0.44515	**BAAQMD's Significance Thresholds**
532839.56	4256029.53	0.043	0.040	0.176	0.140	0.116	0.016	0.53110	10
532820.46	4255995.88	0.044	0.041	0.160	0.167	0.140	0.017	0.56889	**Exceed Thresholds?**
532825.92	4255944.04	0.031	0.028	0.094	0.112	0.130	0.016	0.41039	**No**
532789.54	4255936.77	0.040	0.037	0.088	0.220	0.198	0.019	0.60185	
532768.62	4255908.57	0.039	0.036	0.060	0.196	0.256	0.021	0.60702	
532752.25	4255856.74	0.033	0.031	0.037	0.104	0.287	0.023	0.51533	
532784.99	4255815.81	0.022	0.021	0.032	0.072	0.157	0.020	0.32391	
532752.41	4255882.75	0.038	0.035	0.045	0.139	0.316	0.023	0.59563	
532771.07	4255831.73	0.026	0.024	0.034	0.084	0.198	0.021	0.38716	
532801.39	4255883.33	0.027	0.025	0.053	0.119	0.151	0.018	0.39158	
532815.67	4255858.55	0.022	0.020	0.045	0.088	0.119	0.017	0.31011	
532829.67	4255901.7	0.024	0.022	0.063	0.094	0.114	0.015	0.33282	
532846.58	4255878.38	0.019	0.018	0.052	0.071	0.090	0.014	0.26400	
532864.66	4255855.93	0.016	0.015	0.044	0.055	0.073	0.013	0.21474	
532838.12	4255838.72	0.017	0.016	0.040	0.065	0.089	0.015	0.24298	
532866.42	4255959.35	0.023	0.021	0.081	0.056	0.091	0.013	0.28507	
532871.67	4255990.02	0.025	0.023	0.092	0.061	0.090	0.013	0.30441	
532871.67	4255933.93	0.020	0.018	0.067	0.051	0.083	0.012	0.25135	
532882.16	4255912.94	0.017	0.016	0.057	0.045	0.072	0.012	0.21804	
532899.11	4255889.13	0.014	0.013	0.045	0.036	0.058	0.011	0.17712	
532916.87	4255985.98	0.016	0.015	0.058	0.033	0.062	0.010	0.19475	
532930.18	4255965	0.014	0.013	0.048	0.026	0.054	0.009	0.16300	
532916.46	4255866.54	0.012	0.011	0.037	0.030	0.047	0.010	0.14598	
532930.18	4255845.95	0.010	0.009	0.032	0.026	0.039	0.009	0.12559	
532944.71	4255935.95	0.011	0.010	0.039	0.021	0.045	0.009	0.13452	
532958.43	4255906.08	0.009	0.009	0.032	0.018	0.037	0.008	0.11269	
532970.94	4255886.31	0.008	0.008	0.028	0.016	0.032	0.007	0.09821	
532946.32	4255819.72	0.008	0.008	0.027	0.022	0.033	0.009	0.10646	
532991.12	4255858.46	0.007	0.006	0.023	0.014	0.026	0.007	0.08303	
533010.89	4255843.13	0.006	0.005	0.020	0.012	0.022	0.006	0.07207	
532884.58	4255809.23	0.011	0.010	0.030	0.037	0.050	0.011	0.15002	
532851.89	4255793.49	0.013	0.012	0.028	0.043	0.064	0.013	0.17253	
532824.05	4255791.48	0.016	0.015	0.029	0.053	0.092	0.016	0.22047	
533034.3	4255820.94	0.005	0.005	0.017	0.010	0.018	0.006	0.06107	
533054.47	4255804.39	0.004	0.004	0.015	0.009	0.016	0.005	0.05332	
532909.2	4256052.57	0.024	0.022	0.094	0.056	0.069	0.013	0.27710	
532944.71	4256040.06	0.016	0.015	0.058	0.036	0.055	0.010	0.18911	
532966.5	4256021.09	0.012	0.011	0.043	0.026	0.047	0.009	0.14913	
532997.98	4256021.9	0.010	0.009	0.033	0.021	0.040	0.008	0.12100	
532950.36	4256084.85	0.018	0.017	0.071	0.042	0.052	0.012	0.21247	
532990.71	4256062.25	0.012	0.011	0.040	0.027	0.042	0.010	0.14209	
533036.72	4256020.29	0.008	0.007	0.023	0.016	0.032	0.007	0.09309	
533057.7	4256017.06	0.007	0.006	0.019	0.014	0.029	0.007	0.08099	
533018.96	4255976.7	0.008	0.007	0.025	0.014	0.032	0.007	0.09280	
533047.61	4255967.02	0.006	0.006	0.019	0.011	0.027	0.006	0.07534	
532985.47	4255968.23	0.009	0.009	0.031	0.017	0.038	0.008	0.11086	
533002.01	4255941.59	0.008	0.007	0.025	0.013	0.031	0.007	0.09126	
533019.77	4255916.58	0.006	0.006	0.021	0.011	0.026	0.006	0.07643	
533030.26	4255895.99	0.006	0.005	0.019	0.010	0.023	0.006	0.06864	
533059.72	4255876.22	0.005	0.004	0.015	0.008	0.018	0.005	0.05627	
533068.19	4255956.12	0.005	0.005	0.016	0.010	0.023	0.006	0.06536	
533085.55	4256006.57	0.006	0.005	0.016	0.011	0.025	0.006	0.06866	
533113.79	4255991.23	0.005	0.004	0.013	0.009	0.021	0.005	0.05839	
533090.79	4255942.81	0.005	0.004	0.014	0.008	0.020	0.005	0.05709	
533138.01	4255979.93	0.004	0.004	0.011	0.008	0.019	0.005	0.05132	
533115.01	4255927.07	0.004	0.004	0.012	0.007	0.018	0.005	0.04954	
533156.17	4255967.02	0.004	0.003	0.010	0.007	0.017	0.005	0.04616	
533137.2	4255912.14	0.004	0.003	0.011	0.006	0.015	0.004	0.04354	
532524.44	4256235.64	0.086	0.080	0.121	0.343	0.239	0.334	1.20250	
532509.17	4256223.67	0.095	0.088	0.078	0.369	0.262	0.450	1.34094	
532492.71	4256241.32	0.089	0.082	0.059	0.253	0.229	0.517	1.22804	
532478.35	4256259.28	0.081	0.075	0.047	0.181	0.199	0.531	1.11481	
532464.28	4256274.25	0.075	0.070	0.039	0.140	0.177	0.545	1.04666	
532544.49	4256258.08	0.077	0.071	0.185	0.280	0.206	0.243	1.06134	
532451.71	4256294.9	0.067	0.062	0.035	0.109	0.154	0.514	0.94157	
532437.65	4256313.75	0.061	0.057	0.031	0.087	0.135	0.493	0.86377	
532389.76	4256310.76	0.069	0.064	0.017	0.055	0.118	0.685	1.00717	
532404.75	4256293.03	0.076	0.070	0.018	0.067	0.134	0.738	1.10309	
532175.23	4256196.06	0.024	0.022	0.002	0.004	0.042	0.261	0.35661	
532165.28	4256184.87	0.020	0.018	0.002	0.004	0.038	0.207	0.28917	
532120.55	4256157.12	0.008	0.007	0.002	0.003	0.026	0.063	0.10818	
532513.25	4256183.63	0.122	0.113	0.054	0.769	0.357	0.470	1.88521	
532534.79	4256190.67	0.111	0.103	0.143	0.711	0.328	0.314	1.71103	
532551.36	4256205.17	0.103	0.095	0.267	0.556	0.288	0.246	1.55506	
532567.51	4256226.3	0.099	0.091	0.368	0.407	0.243	0.199	1.40704	
532577.87	4256251.57	0.093	0.086	0.396	0.302	0.205	0.173	1.25344	
532423.77	4256334.42	0.055	0.051	0.028	0.071	0.119	0.460	0.78332	
532306.13	4256321.16	0.061	0.057	0.008	0.023	0.079	0.714	0.94251	
532332.64	4256344.36	0.054	0.050	0.011	0.031	0.083	0.579	0.80696	
532365.78	4256346.43	0.054	0.050	0.015	0.042	0.094	0.538	0.79214	
532374.89	4256332.34	0.060	0.055	0.016	0.046	0.102	0.597	0.87544	
532393.12	4256371.28	0.046	0.043	0.022	0.050	0.093	0.399	0.65278	
532404.72	4256354.71	0.050	0.046	0.023	0.057	0.103	0.434	0.71439	
532556.33	4256278.08	0.073	0.067	0.213	0.232	0.181	0.202	0.96749	
532219.49	4255941.37	0.008	0.008	0.002	0.003	0.029	0.063	0.11256	
532133.49	4256010.18	0.004	0.004	0.001	0.002	0.018	0.028	0.05672	
532834.4	4256230.11	0.000	0.000	0.000	0.095	0.076	0.027	0.19798	**Stop here because the remaining receptors are on-site seniors**
532856.7	4256218.96	0.000	0.000	0.000	0.082	0.070	0.024	On-site receptors (adult scenario only)	
532882.73	4256205.33	0.000	0.000	0.000	0.070	0.064	0.020	On-site receptors (adult scenario only)	
532877.77	4256187.98	0.000	0.000	0.000	0.076	0.068	0.020	On-site receptors (adult scenario only)	
532841.83	4256204.09	0.000	0.000	0.000	0.099	0.079	0.025	On-site receptors (adult scenario only)	
532812.1	4256218.96	0.000	0.000	0.000	0.120	0.088	0.030	On-site receptors (adult scenario only)	
532726.6	4256157	0.000	0.000	0.000	0.365	0.182	0.043	On-site receptors (adult scenario only)	
532748.9	4256153.28	0.000	0.000	0.000	0.315	0.161	0.037	On-site receptors (adult scenario only)	
532768.73	4256137.18	0.000	0.000	0.000	0.298	0.149	0.031	On-site receptors (adult scenario only)	

532787.31	4256123.54	0.000	0.000	0.000	0.269	0.137	0.027	On-site receptors (adult scenario only)
532810.86	4256103.72	0.000	0.000	0.000	0.223	0.122	0.023	On-site receptors (adult scenario only)
532799.7	4256081.41	0.000	0.000	0.000	0.308	0.142	0.023	On-site receptors (adult scenario only)
532782.36	4256066.55	0.000	0.000	0.000	0.468	0.173	0.024	On-site receptors (adult scenario only)
532776.16	4256036.81	0.000	0.000	0.000	0.675	0.203	0.023	On-site receptors (adult scenario only)
532746.42	4256055.39	0.000	0.000	0.000	0.909	0.257	0.028	On-site receptors (adult scenario only)
532715.44	4256075.22	0.000	0.000	0.000	1.021	0.305	0.036	On-site receptors (adult scenario only)
532693.14	4256092.57	0.000	0.000	0.000	1.014	0.326	0.045	On-site receptors (adult scenario only)
532709.25	4256142.13	0.000	0.000	0.000	0.478	0.218	0.047	On-site receptors (adult scenario only)
532699.34	4256121.07	0.000	0.000	0.000	0.652	0.260	0.047	On-site receptors (adult scenario only)
532756.85	4255990.46	0.000	0.000	0.000	0.000	0.307	0.023	On-site receptors (adult scenario only)
532737.31	4255956.13	0.000	0.000	0.000	0.000	0.517	0.025	On-site receptors (adult scenario only)
532739.68	4256007.03	0.000	0.000	0.000	0.000	0.361	0.026	On-site receptors (adult scenario only)
532707.13	4255970.93	0.000	0.000	0.000	0.000	0.796	0.030	On-site receptors (adult scenario only)
532687	4255986.91	0.000	0.000	0.000	0.000	0.900	0.035	On-site receptors (adult scenario only)
532663.33	4256007.03	0.000	0.000	0.000	0.000	0.974	0.043	On-site receptors (adult scenario only)
532643.2	4256024.2	0.000	0.000	0.000	0.000	0.996	0.051	On-site receptors (adult scenario only)
532622.49	4256040.77	0.000	0.000	0.000	0.000	1.003	0.063	On-site receptors (adult scenario only)
532597.04	4256054.38	0.000	0.000	0.000	0.000	1.012	0.084	On-site receptors (adult scenario only)
532571.59	4256061.49	0.000	0.000	0.000	0.000	1.092	0.111	On-site receptors (adult scenario only)
532536.67	4256078.06	0.000	0.000	0.000	0.000	1.067	0.183	On-site receptors (adult scenario only)
532501.15	4256097	0.000	0.000	0.000	0.000	0.961	0.349	On-site receptors (adult scenario only)
532489.32	4256120.08	0.000	0.000	0.000	0.000	0.716	0.541	On-site receptors (adult scenario only)
532499.97	4256141.98	0.000	0.000	0.000	0.000	0.540	0.522	On-site receptors (adult scenario only)
532511.22	4256140.2	0.000	0.000	0.000	0.000	0.545	0.402	On-site receptors (adult scenario only)
532530.82	4256123.84	0.000	0.000	0.000	0.000	0.621	0.260	On-site receptors (adult scenario only)
532551.53	4256111.32	0.000	0.000	0.000	0.000	0.662	0.180	On-site receptors (adult scenario only)
532575.21	4256090.96	0.000	0.000	0.000	0.000	0.745	0.122	On-site receptors (adult scenario only)
532604.8	4256074.32	0.000	0.000	0.000	0.000	0.753	0.083	On-site receptors (adult scenario only)
532648.3	4256054.3	0.000	0.000	0.000	0.000	0.660	0.054	On-site receptors (adult scenario only)
532685.23	4256040.18	0.000	0.000	0.000	0.000	0.538	0.040	On-site receptors (adult scenario only)
532708.31	4256027.16	0.000	0.000	0.000	0.000	0.471	0.033	On-site receptors (adult scenario only)
532560.39	4255753.8	0.000	0.000	0.000	0.000	0.000	0.059	On-site receptors (adult scenario only)
532538.78	4255727.86	0.000	0.000	0.000	0.000	0.000	0.057	On-site receptors (adult scenario only)
532492.68	4255784.05	0.000	0.000	0.000	0.000	0.000	0.081	On-site receptors (adult scenario only)
532391.83	4255828.71	0.000	0.000	0.000	0.000	0.000	0.112	On-site receptors (adult scenario only)
532435.05	4255808.54	0.000	0.000	0.000	0.000	0.000	0.101	On-site receptors (adult scenario only)
532492.68	4255748.03	0.000	0.000	0.000	0.000	0.000	0.068	On-site receptors (adult scenario only)
532678.53	4255861.85	0.000	0.000	0.000	0.000	0.000	0.036	On-site receptors (adult scenario only)
532643.96	4255815.75	0.000	0.000	0.000	0.000	0.000	0.046	On-site receptors (adult scenario only)
532589.21	4255838.8	0.000	0.000	0.000	0.000	0.000	0.067	On-site receptors (adult scenario only)
532618.02	4255896.43	0.000	0.000	0.000	0.000	0.000	0.053	On-site receptors (adult scenario only)
532582	4255932.45	0.000	0.000	0.000	0.000	0.000	0.068	On-site receptors (adult scenario only)
532548.87	4255943.97	0.000	0.000	0.000	0.000	0.000	0.088	On-site receptors (adult scenario only)
532498.44	4255961.26	0.000	0.000	0.000	0.000	0.000	0.134	On-site receptors (adult scenario only)
532452.34	4255982.87	0.000	0.000	0.000	0.000	0.000	0.222	On-site receptors (adult scenario only)
532400.47	4255931.01	0.000	0.000	0.000	0.000	0.000	0.336	On-site receptors (adult scenario only)
532455.22	4255923.8	0.000	0.000	0.000	0.000	0.000	0.198	On-site receptors (adult scenario only)
532491.24	4255905.07	0.000	0.000	0.000	0.000	0.000	0.139	On-site receptors (adult scenario only)
532518.61	4255887.79	0.000	0.000	0.000	0.000	0.000	0.114	On-site receptors (adult scenario only)
532547.43	4255867.61	0.000	0.000	0.000	0.000	0.000	0.092	On-site receptors (adult scenario only)
CONCUNIT ug	/m^3	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
DEPUNIT g/m	^2	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
0	0	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
0	0	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
0	0	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
0	0	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)
0	0	0.000	0.000	0.000	0.000	0.000	0.000	On-site receptors (adult scenario only)

Elnoka Construction DPM Emissions

Tier IV Mitigation, Fugtive Dust Control

Adult

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

Cancer Potency Factor:	1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency	350	days/year
Averaging Period	25550	days

Year	DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
2020	1	1	261	0.73	1	2.9
2021	1	1	261	0.73	1	2.9
2022	1	1	261	0.73	1	2.9
2023	1	1	261	0.73	1	2.9
2024	1	1	261	0.73	1	2.9
2025	1	1	261	0.73	1	2.9

BAAQMD 2016. Air Toxics NSR Program Health Risk Assessment (HRA) Guidelines

Elnoka Construction DPM Emissions

at Sensitive Receptors

Cancer Risks - Adult

Estimated Cancer Risks from Construction DPM

X (m)	Y (m)	Adult Cancer Risk (year 1) 2020 (/million)	Adult Cancer Risk (year 2) 2021 (/million)	Adult Cancer Risk (year 3) 2022 (/million)	Adult Cancer Risk (year 4) 2023 (/million)	Adult Cancer Risk (year 5) 2024 (/million)	Adult Cancer Risk (year 6) 2025 (/million)	Total Cancer Risk (/million)	Maximum 0.29 BAAQMD's significance thresholds
532862.29	4256047.72	0.006	0.005	0.025	0.016	0.015	0.002	0.06865	10
532839.56	4256029.53	0.007	0.006	0.027	0.022	0.018	0.002	0.08190	**Exceed Thresholds?**
532820.46	4255995.88	0.007	0.006	0.025	0.026	0.022	0.003	0.08773	**No**
532825.92	4255944.04	0.005	0.004	0.014	0.017	0.020	0.002	0.06329	
532789.54	4255936.77	0.006	0.006	0.014	0.034	0.031	0.003	0.09281	
532768.62	4255908.57	0.006	0.006	0.009	0.030	0.039	0.003	0.09361	
532752.25	4255856.74	0.005	0.005	0.006	0.016	0.044	0.004	0.07947	
532784.99	4255815.81	0.003	0.003	0.005	0.011	0.024	0.003	0.04995	
532752.41	4255882.75	0.006	0.005	0.007	0.021	0.049	0.004	0.09185	
532771.07	4255831.73	0.004	0.004	0.005	0.013	0.031	0.003	0.05970	
532801.39	4255883.33	0.004	0.004	0.008	0.018	0.023	0.003	0.06039	
532815.67	4255858.55	0.003	0.003	0.007	0.014	0.018	0.003	0.04782	
532829.67	4255901.7	0.004	0.003	0.010	0.015	0.018	0.002	0.05132	
532846.58	4255878.38	0.003	0.003	0.008	0.011	0.014	0.002	0.04071	
532864.66	4255855.93	0.002	0.002	0.007	0.008	0.011	0.002	0.03311	
532838.12	4255838.72	0.003	0.002	0.006	0.010	0.014	0.002	0.03747	
532866.42	4255959.35	0.004	0.003	0.013	0.009	0.014	0.002	0.04396	
532871.67	4255990.02	0.004	0.004	0.014	0.009	0.014	0.002	0.04694	
532871.67	4255933.93	0.003	0.003	0.010	0.008	0.013	0.002	0.03876	
532882.16	4255912.94	0.003	0.002	0.009	0.007	0.011	0.002	0.03362	
532899.11	4255889.13	0.002	0.002	0.007	0.006	0.009	0.002	0.02731	
532916.87	4255985.98	0.003	0.002	0.009	0.005	0.010	0.002	0.03003	
532930.18	4255965	0.002	0.002	0.007	0.004	0.008	0.001	0.02514	
532916.46	4255866.54	0.002	0.002	0.006	0.005	0.007	0.002	0.02251	
532930.18	4255845.95	0.002	0.001	0.005	0.004	0.006	0.001	0.01937	
532944.71	4255935.95	0.002	0.002	0.006	0.003	0.007	0.001	0.02074	
532958.43	4255906.08	0.001	0.001	0.005	0.003	0.006	0.001	0.01738	
532970.94	4255886.31	0.001	0.001	0.004	0.002	0.005	0.001	0.01515	
532946.32	4255819.72	0.001	0.001	0.004	0.003	0.005	0.001	0.01642	
532991.12	4255858.46	0.001	0.001	0.004	0.002	0.004	0.001	0.01280	
533010.89	4255843.13	0.001	0.001	0.003	0.002	0.003	0.001	0.01111	
532884.58	4255809.23	0.002	0.002	0.005	0.006	0.008	0.002	0.02314	
532851.89	4255793.49	0.002	0.002	0.004	0.007	0.010	0.002	0.02661	
532824.05	4255791.48	0.002	0.002	0.004	0.008	0.014	0.002	0.03400	
533034.3	4255820.94	0.001	0.001	0.003	0.002	0.003	0.001	0.00942	
533054.47	4255804.39	0.001	0.001	0.002	0.001	0.002	0.001	0.00822	
532909.2	4256052.57	0.004	0.003	0.015	0.009	0.011	0.002	0.04273	
532944.71	4256040.06	0.002	0.002	0.009	0.005	0.008	0.002	0.02916	
532966.5	4256021.09	0.002	0.002	0.007	0.004	0.007	0.001	0.02300	
532997.98	4256021.9	0.002	0.001	0.005	0.003	0.006	0.001	0.01866	
532950.36	4256084.85	0.003	0.003	0.011	0.007	0.008	0.002	0.03276	
532990.71	4256062.25	0.002	0.002	0.006	0.004	0.007	0.001	0.02191	
533036.72	4256020.29	0.001	0.001	0.004	0.002	0.005	0.001	0.01436	
533057.7	4256017.06	0.001	0.001	0.003	0.002	0.004	0.001	0.01249	
533018.96	4255976.7	0.001	0.001	0.004	0.002	0.005	0.001	0.01431	
533047.61	4255967.02	0.001	0.001	0.003	0.002	0.004	0.001	0.01162	
532985.47	4255968.23	0.001	0.001	0.005	0.003	0.006	0.001	0.01710	
533002.01	4255941.59	0.001	0.001	0.004	0.002	0.005	0.001	0.01407	
533019.77	4255916.58	0.001	0.001	0.003	0.002	0.004	0.001	0.01179	
533030.26	4255895.99	0.001	0.001	0.003	0.002	0.004	0.001	0.01059	
533059.72	4255876.22	0.001	0.001	0.002	0.001	0.003	0.001	0.00868	
533068.19	4255956.12	0.001	0.001	0.003	0.001	0.004	0.001	0.01008	
533085.55	4256006.57	0.001	0.001	0.002	0.002	0.004	0.001	0.01059	
533113.79	4255991.23	0.001	0.001	0.002	0.001	0.003	0.001	0.00900	
533090.79	4255942.81	0.001	0.001	0.002	0.001	0.003	0.001	0.00880	
533138.01	4255979.93	0.001	0.001	0.002	0.001	0.003	0.001	0.00791	
533115.01	4255927.07	0.001	0.001	0.002	0.001	0.003	0.001	0.00764	
533156.17	4255967.02	0.001	0.001	0.002	0.001	0.003	0.001	0.00712	
533137.2	4255912.14	0.001	0.001	0.002	0.001	0.002	0.001	0.00671	
532524.44	4256235.64	0.013	0.012	0.019	0.053	0.037	0.052	0.18544	
532509.17	4256223.67	0.015	0.014	0.012	0.057	0.040	0.069	0.20679	
532492.71	4256241.32	0.014	0.013	0.009	0.039	0.035	0.080	0.18938	
532478.35	4256259.28	0.012	0.012	0.007	0.028	0.031	0.082	0.17192	
532464.28	4256274.25	0.012	0.011	0.006	0.022	0.027	0.084	0.16141	
532544.49	4256258.08	0.012	0.011	0.028	0.043	0.032	0.037	0.16367	

532451.71	4256294.9	0.010	0.010	0.005	0.017	0.024	0.079	0.14520
532437.65	4256313.75	0.009	0.009	0.005	0.013	0.021	0.076	0.13320
532389.76	4256310.76	0.011	0.010	0.003	0.009	0.018	0.106	0.15532
532404.75	4256293.03	0.012	0.011	0.003	0.010	0.021	0.114	0.17011
532175.23	4256196.06	0.004	0.003	0.000	0.001	0.006	0.040	0.05499
532165.28	4256184.87	0.003	0.003	0.000	0.001	0.006	0.032	0.04459
532120.55	4256157.12	0.001	0.001	0.000	0.000	0.004	0.010	0.01668
532513.25	4256183.63	0.019	0.017	0.008	0.119	0.055	0.073	0.29072
532534.79	4256190.67	0.017	0.016	0.022	0.110	0.051	0.048	0.26386
532551.36	4256205.17	0.016	0.015	0.041	0.086	0.044	0.038	0.23981
532567.51	4256226.3	0.015	0.014	0.057	0.063	0.038	0.031	0.21698
532577.87	4256251.57	0.014	0.013	0.061	0.047	0.032	0.027	0.19329
532423.77	4256334.42	0.009	0.008	0.004	0.011	0.018	0.071	0.12080
532306.13	4256321.16	0.009	0.009	0.001	0.004	0.012	0.110	0.14534
532332.64	4256344.36	0.008	0.008	0.002	0.005	0.013	0.089	0.12444
532365.78	4256346.43	0.008	0.008	0.002	0.006	0.014	0.083	0.12216
532374.89	4256332.34	0.009	0.009	0.002	0.007	0.016	0.092	0.13500
532393.12	4256371.28	0.007	0.007	0.003	0.008	0.014	0.062	0.10067
532404.72	4256354.71	0.008	0.007	0.004	0.009	0.016	0.067	0.11017
532556.33	4256278.08	0.011	0.010	0.033	0.036	0.028	0.031	0.14920
532219.49	4255941.37	0.001	0.001	0.000	0.000	0.005	0.010	0.01736
532133.49	4256010.18	0.001	0.001	0.000	0.000	0.003	0.004	0.00875
532834.4	4256230.11	0.000	0.000	0.000	0.015	0.012	0.004	0.03053
532856.7	4256218.96	0.000	0.000	0.000	0.013	0.011	0.004	0.02719
532882.73	4256205.33	0.000	0.000	0.000	0.011	0.010	0.003	0.02370
532877.77	4256187.98	0.000	0.000	0.000	0.012	0.010	0.003	0.02531
532841.83	4256204.09	0.000	0.000	0.000	0.015	0.012	0.004	0.03121
532812.1	4256218.96	0.000	0.000	0.000	0.018	0.014	0.005	0.03671
532726.6	4256157	0.000	0.000	0.000	0.056	0.028	0.007	0.09113
532748.9	4256153.28	0.000	0.000	0.000	0.049	0.025	0.006	0.07907
532768.73	4256137.18	0.000	0.000	0.000	0.046	0.023	0.005	0.07385
532787.31	4256123.54	0.000	0.000	0.000	0.041	0.021	0.004	0.06670
532810.86	4256103.72	0.000	0.000	0.000	0.034	0.019	0.004	0.05680
532799.7	4256081.41	0.000	0.000	0.000	0.048	0.022	0.004	0.07303
532782.36	4256066.55	0.000	0.000	0.000	0.072	0.027	0.004	0.10245
532776.16	4256036.81	0.000	0.000	0.000	0.104	0.031	0.004	0.13891
532746.42	4256055.39	0.000	0.000	0.000	0.140	0.040	0.004	0.18420
532715.44	4256075.22	0.000	0.000	0.000	0.157	0.047	0.006	0.21008
532693.14	4256092.57	0.000	0.000	0.000	0.156	0.050	0.007	0.21356
532709.25	4256142.13	0.000	0.000	0.000	0.074	0.034	0.007	0.11456
532699.34	4256121.07	0.000	0.000	0.000	0.101	0.040	0.007	0.14800
532756.85	4255990.46	0.000	0.000	0.000	0.000	0.047	0.004	0.05090
532737.31	4255956.13	0.000	0.000	0.000	0.000	0.080	0.004	0.08364
532739.68	4256007.03	0.000	0.000	0.000	0.000	0.056	0.004	0.05972
532707.13	4255970.93	0.000	0.000	0.000	0.000	0.123	0.005	0.12740
532687	4255986.91	0.000	0.000	0.000	0.000	0.139	0.005	0.14426
532663.33	4256007.03	0.000	0.000	0.000	0.000	0.150	0.007	0.15671
532643.2	4256024.2	0.000	0.000	0.000	0.000	0.154	0.008	0.16154
532622.49	4256040.77	0.000	0.000	0.000	0.000	0.155	0.010	0.16439
532597.04	4256054.38	0.000	0.000	0.000	0.000	0.156	0.013	0.16894
532571.59	4256061.49	0.000	0.000	0.000	0.000	0.168	0.017	0.18553
532536.67	4256078.06	0.000	0.000	0.000	0.000	0.165	0.028	0.19280
532501.15	4256097	0.000	0.000	0.000	0.000	0.148	0.054	0.20193
532489.32	4256120.08	0.000	0.000	0.000	0.000	0.110	0.083	0.19381
532499.97	4256141.98	0.000	0.000	0.000	0.000	0.083	0.081	0.16390
532511.22	4256140.2	0.000	0.000	0.000	0.000	0.084	0.062	0.14597
532530.82	4256123.84	0.000	0.000	0.000	0.000	0.096	0.040	0.13593
532551.53	4256111.32	0.000	0.000	0.000	0.000	0.102	0.028	0.12974
532575.21	4256090.96	0.000	0.000	0.000	0.000	0.115	0.019	0.13365
532604.8	4256074.32	0.000	0.000	0.000	0.000	0.116	0.013	0.12903
532648.3	4256054.3	0.000	0.000	0.000	0.000	0.102	0.008	0.11007
532685.23	4256040.18	0.000	0.000	0.000	0.000	0.083	0.006	0.08909
532708.31	4256027.16	0.000	0.000	0.000	0.000	0.073	0.005	0.07769
532560.39	4255753.8	0.000	0.000	0.000	0.000	0.000	0.009	0.00905
532538.78	4255727.86	0.000	0.000	0.000	0.000	0.000	0.009	0.00880
532492.68	4255784.05	0.000	0.000	0.000	0.000	0.000	0.013	0.01250
532391.83	4255828.71	0.000	0.000	0.000	0.000	0.000	0.017	0.01727
532435.05	4255808.54	0.000	0.000	0.000	0.000	0.000	0.016	0.01550
532492.68	4255748.03	0.000	0.000	0.000	0.000	0.000	0.011	0.01054
532678.53	4255861.85	0.000	0.000	0.000	0.000	0.000	0.006	0.00551
532643.96	4255815.75	0.000	0.000	0.000	0.000	0.000	0.007	0.00716
532589.21	4255838.8	0.000	0.000	0.000	0.000	0.000	0.010	0.01040
532618.02	4255896.43	0.000	0.000	0.000	0.000	0.000	0.008	0.00816
532582	4255932.45	0.000	0.000	0.000	0.000	0.000	0.010	0.01046

532548.87	4255943.97	0.000	0.000	0.000	0.000	0.000	0.014	0.01354
532498.44	4255961.26	0.000	0.000	0.000	0.000	0.000	0.021	0.02068
532452.34	4255982.87	0.000	0.000	0.000	0.000	0.000	0.034	0.03424
532400.47	4255931.01	0.000	0.000	0.000	0.000	0.000	0.052	0.05187
532455.22	4255923.8	0.000	0.000	0.000	0.000	0.000	0.031	0.03059
532491.24	4255905.07	0.000	0.000	0.000	0.000	0.000	0.021	0.02137
532518.61	4255887.79	0.000	0.000	0.000	0.000	0.000	0.018	0.01756
532547.43	4255867.61	0.000	0.000	0.000	0.000	0.000	0.014	0.01417
CONCUNIT ug	/m^3	0.000	0.000	0.000	0.000	0.000	0.000	0.00000
DEPUNIT g/m	^2	0.000	0.000	0.000	0.000	0.000	0.000	0.00000

Elnoka Construction DPM Emissions
Chronic Non-Cancer Hazard Index

Tier IV Mitigation, Fugtive Dust Control at Sensitive Receptors

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X	Y	2020 DPM	2021 DPM	2022 DPM	2023 DPM	2024 DPM	2025 DPM		
(m)	(m)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	(ug/m3)	Max	CNCHI
532862.29	4256047.72	2.00E-03	1.85E-03	8.58E-03	0.00555	0.005116	0.000812	8.58E-03	0.00172
532839.56	4256029.53	2.30E-03	2.12E-03	9.48E-03	0.007535	0.00623	0.000866	9.48E-03	0.00190
532820.46	4255995.88	2.36E-03	2.19E-03	8.62E-03	0.008945	0.007531	0.000911	8.95E-03	0.00179
532825.92	4255944.04	1.65E-03	1.52E-03	5.03E-03	0.006037	0.006962	0.000842	6.96E-03	0.00139
532789.54	4255936.77	2.14E-03	1.98E-03	4.73E-03	0.011827	0.010627	0.001016	1.18E-02	0.00237
532768.62	4255908.57	2.09E-03	1.93E-03	3.21E-03	0.010521	0.013742	0.001124	1.37E-02	0.00275
532752.25	4255856.74	1.80E-03	1.66E-03	1.98E-03	0.005566	0.015424	0.001254	1.54E-02	0.00308
532784.99	4255815.81	1.20E-03	1.11E-03	1.71E-03	0.003882	0.008435	0.001066	8.44E-03	0.00169
532752.41	4255882.75	2.05E-03	1.90E-03	2.39E-03	0.007457	0.016952	0.001241	1.70E-02	0.00339
532771.07	4255831.73	1.40E-03	1.30E-03	1.81E-03	0.004485	0.01066	0.001143	1.07E-02	0.00213
532801.39	4255883.33	1.43E-03	1.32E-03	2.87E-03	0.006372	0.008086	0.000947	8.09E-03	0.00162
532815.67	4255858.55	1.16E-03	1.07E-03	2.42E-03	0.004706	0.006404	0.000887	6.40E-03	0.00128
532829.67	4255901.7	1.28E-03	1.19E-03	3.39E-03	0.005074	0.006131	0.000815	6.13E-03	0.00123
532846.58	4255878.38	1.03E-03	9.55E-04	2.78E-03	0.003797	0.004861	0.000752	4.86E-03	0.00097
532864.66	4255855.93	8.56E-04	7.92E-04	2.35E-03	0.002944	0.003898	0.000697	3.90E-03	0.00078
532838.12	4255838.72	9.37E-04	8.66E-04	2.14E-03	0.003505	0.004801	0.000798	4.80E-03	0.00096
532866.42	4255959.35	1.24E-03	1.15E-03	4.36E-03	0.003008	0.004879	0.000686	4.88E-03	0.00098
532871.67	4255990.02	1.35E-03	1.25E-03	4.97E-03	0.003269	0.004829	0.000689	4.97E-03	0.00099
532871.67	4255933.93	1.07E-03	9.92E-04	3.61E-03	0.002716	0.004446	0.00066	4.45E-03	0.00089
532882.16	4255912.94	9.26E-04	8.57E-04	3.04E-03	0.002402	0.003857	0.000627	3.86E-03	0.00077
532899.11	4255889.13	7.49E-04	6.93E-04	2.44E-03	0.001958	0.003096	0.000575	3.10E-03	0.00062
532916.87	4255985.98	8.74E-04	8.08E-04	3.13E-03	0.001769	0.003328	0.000549	3.33E-03	0.00067
532930.18	4255965	7.35E-04	6.80E-04	2.58E-03	0.001381	0.00288	0.000503	2.88E-03	0.00058
532916.46	4255866.54	6.21E-04	5.74E-04	2.00E-03	0.001612	0.002505	0.00053	2.50E-03	0.00050
532930.18	4255845.95	5.36E-04	4.96E-04	1.70E-03	0.001395	0.002119	0.000498	2.12E-03	0.00042
532944.71	4255935.95	6.02E-04	5.57E-04	2.09E-03	0.001107	0.002406	0.000459	2.41E-03	0.00048
532958.43	4255906.08	5.03E-04	4.66E-04	1.72E-03	0.000952	0.001988	0.000423	1.99E-03	0.00040
532970.94	4255886.31	4.39E-04	4.06E-04	1.48E-03	0.000851	0.001702	0.000396	1.70E-03	0.00034
532946.32	4255819.72	4.56E-04	4.22E-04	1.42E-03	0.001189	0.00176	0.000465	1.76E-03	0.00035
532991.12	4255858.46	3.71E-04	3.44E-04	1.23E-03	0.000749	0.001394	0.000366	1.39E-03	0.00028
533010.89	4255843.13	3.18E-04	2.94E-04	1.07E-03	0.000655	0.001195	0.00034	1.19E-03	0.00024
532884.58	4255809.23	6.08E-04	5.62E-04	1.61E-03	0.001961	0.002705	0.000615	2.70E-03	0.00054
532851.89	4255793.49	6.79E-04	6.28E-04	1.50E-03	0.002295	0.003448	0.000719	3.45E-03	0.00069
532824.05	4255791.48	8.46E-04	7.82E-04	1.56E-03	0.002848	0.004937	0.000865	4.94E-03	0.00099
533034.3	4255820.94	2.70E-04	2.50E-04	9.00E-04	0.000562	0.000988	0.000311	9.88E-04	0.00020
533054.47	4255804.39	2.37E-04	2.19E-04	7.81E-04	0.000491	0.000848	0.000287	8.48E-04	0.00017
532909.2	4256052.57	1.27E-03	1.17E-03	5.06E-03	0.003032	0.003686	0.000672	5.06E-03	0.00101
532944.71	4256040.06	8.52E-04	7.89E-04	3.10E-03	0.001911	0.002951	0.000558	3.10E-03	0.00062
532966.5	4256021.09	6.64E-04	6.14E-04	2.29E-03	0.001401	0.00255	0.000489	2.55E-03	0.00051
532997.98	4256021.9	5.39E-04	4.99E-04	1.76E-03	0.001121	0.002137	0.000444	2.14E-03	0.00043
532950.36	4256084.85	9.79E-04	9.06E-04	3.79E-03	0.002282	0.002815	0.000636	3.79E-03	0.00076
532990.71	4256062.25	6.37E-04	5.90E-04	2.16E-03	0.001464	0.002274	0.000512	2.27E-03	0.00045
533036.72	4256020.29	4.12E-04	3.82E-04	1.24E-03	0.000843	0.001732	0.000388	1.73E-03	0.00035
533057.7	4256017.06	3.53E-04	3.26E-04	1.04E-03	0.000726	0.001542	0.00036	1.54E-03	0.00031
533018.96	4255976.7	4.17E-04	3.86E-04	1.33E-03	0.000758	0.001723	0.000372	1.72E-03	0.00034
533047.61	4255967.02	3.34E-04	3.09E-04	1.04E-03	0.000604	0.001431	0.000331	1.43E-03	0.00029
532985.47	4255968.23	4.99E-04	4.62E-04	1.67E-03	0.000897	0.002017	0.000408	2.02E-03	0.00040
533002.01	4255941.59	4.14E-04	3.83E-04	1.36E-03	0.000702	0.001674	0.000364	1.67E-03	0.00033
533019.77	4255916.58	3.48E-04	3.23E-04	1.14E-03	0.00058	0.001388	0.000329	1.39E-03	0.00028
533030.26	4255895.99	3.07E-04	2.84E-04	1.03E-03	0.00053	0.001228	0.000312	1.23E-03	0.00025
533059.72	4255876.22	2.53E-04	2.34E-04	8.29E-04	0.000437	0.000992	0.000277	9.92E-04	0.00020
533068.19	4255956.12	2.90E-04	2.68E-04	8.84E-04	0.000514	0.001251	0.000304	1.25E-03	0.00025
533085.55	4256006.57	2.99E-04	2.77E-04	8.51E-04	0.0006	0.001334	0.000327	1.33E-03	0.00027
533113.79	4255991.23	2.55E-04	2.36E-04	7.06E-04	0.000493	0.001151	0.000295	1.15E-03	0.00023
533090.79	4255942.81	2.54E-04	2.35E-04	7.62E-04	0.00044	0.001096	0.00028	1.10E-03	0.00022
533138.01	4255979.93	2.24E-04	2.08E-04	6.08E-04	0.000425	0.001019	0.000272	1.02E-03	0.00020
533115.01	4255927.07	2.21E-04	2.04E-04	6.53E-04	0.000377	0.000949	0.000257	9.49E-04	0.00019
533156.17	4255967.02	2.03E-04	1.88E-04	5.43E-04	0.000375	0.000918	0.000254	9.18E-04	0.00018
533137.2	4255912.14	1.95E-04	1.80E-04	5.69E-04	0.000328	0.00083	0.000237	8.30E-04	0.00017
532524.44	4256235.64	4.62E-03	4.27E-03	6.51E-03	0.018408	0.012845	0.017939	1.84E-02	0.00368
532509.17	4256223.67	5.09E-03	4.70E-03	4.20E-03	0.019844	0.014052	0.024144	2.41E-02	0.00483
532492.71	4256241.32	4.76E-03	4.40E-03	3.15E-03	0.013566	0.01232	0.027765	2.78E-02	0.00555
532478.35	4256259.28	4.34E-03	4.01E-03	2.55E-03	0.009732	0.010703	0.028548	2.85E-02	0.00571
532464.28	4256274.25	4.04E-03	3.74E-03	2.12E-03	0.007502	0.009522	0.029296	2.93E-02	0.00586
532544.49	4256258.08	4.14E-03	3.83E-03	9.91E-03	0.01506	0.011042	0.013026	1.51E-02	0.00301
532451.71	4256294.9	3.62E-03	3.35E-03	1.89E-03	0.005839	0.008256	0.027632	2.76E-02	0.00553
532437.65	4256313.75	3.30E-03	3.05E-03	1.65E-03	0.004674	0.007255	0.026467	2.65E-02	0.00529
532389.76	4256310.76	3.71E-03	3.43E-03	9.05E-04	0.002962	0.006315	0.036781	3.68E-02	0.00736
532404.75	4256293.03	4.08E-03	3.77E-03	9.92E-04	0.003584	0.007191	0.039628	3.96E-02	0.00793
532175.23	4256196.06	1.31E-03	1.21E-03	1.19E-04	0.000241	0.00224	0.014044	1.40E-02	0.00281
532165.28	4256184.87	1.07E-03	9.88E-04	1.11E-04	0.000216	0.002056	0.011093	1.11E-02	0.00222
532120.55	4256157.12	4.14E-04	3.83E-04	8.49E-05	0.000149	0.001375	0.003407	3.41E-03	0.00068
532513.25	4256183.63	6.57E-03	6.08E-03	2.91E-03	0.041283	0.019155	0.025261	4.13E-02	0.00826

Maximum
0.06
BAAQMD's Significance Thresholds
1.0
Exceed Thresholds?
No

532534.79	4256190.67	5.98E-03	5.52E-03	7.68E-03	0.038206	0.017641	0.016883	3.82E-02	0.00764
532551.36	4256205.17	5.53E-03	5.11E-03	1.43E-02	0.029852	0.015484	0.013221	2.99E-02	0.00597
532567.51	4256226.3	5.30E-03	4.90E-03	1.98E-02	0.021872	0.013068	0.01068	2.19E-02	0.00437
532577.87	4256251.57	4.98E-03	4.60E-03	2.13E-02	0.016207	0.010992	0.009278	2.13E-02	0.00425
532423.77	4256334.42	2.97E-03	2.75E-03	1.48E-03	0.003817	0.006366	0.024686	2.47E-02	0.00494
532306.13	4256321.16	3.29E-03	3.04E-03	4.17E-04	0.001241	0.004256	0.038374	3.84E-02	0.00767
532332.64	4256344.36	2.89E-03	2.68E-03	5.81E-04	0.001644	0.004457	0.03109	3.11E-02	0.00622
532365.78	4256346.43	2.90E-03	2.68E-03	8.08E-04	0.002232	0.005031	0.028893	2.89E-02	0.00578
532374.89	4256332.34	3.21E-03	2.97E-03	8.43E-04	0.002475	0.005486	0.032049	3.20E-02	0.00641
532393.12	4256371.28	2.47E-03	2.29E-03	1.16E-03	0.002666	0.005018	0.021458	2.15E-02	0.00429
532404.72	4256354.71	2.69E-03	2.50E-03	1.26E-03	0.003058	0.005543	0.02332	2.33E-02	0.00466
532556.33	4256278.08	3.90E-03	3.61E-03	1.14E-02	0.012472	0.009724	0.010823	1.25E-02	0.00249
532219.49	4255941.37	4.36E-04	4.03E-04	9.64E-05	0.000143	0.00158	0.003387	3.39E-03	0.00068
532133.49	4256010.18	2.27E-04	2.10E-04	6.80E-05	0.000103	0.000948	0.001491	1.49E-03	0.00030
532834.4	4256230.11	0.00E+00	0.00E+00	0.00E+00	0.005084	0.004094	0.001456	5.08E-03	0.00102
532856.7	4256218.96	0.00E+00	0.00E+00	0.00E+00	0.004428	0.003769	0.001273	4.43E-03	0.00089
532882.73	4256205.33	0.00E+00	0.00E+00	0.00E+00	0.003743	0.003415	0.001096	3.74E-03	0.00075
532877.77	4256187.98	0.00E+00	0.00E+00	0.00E+00	0.004103	0.00363	0.001083	4.10E-03	0.00082
532841.83	4256204.09	0.00E+00	0.00E+00	0.00E+00	0.005314	0.004225	0.001334	5.31E-03	0.00106
532812.1	4256218.96	0.00E+00	0.00E+00	0.00E+00	0.006427	0.00475	0.001609	6.43E-03	0.00129
532726.6	4256157	0.00E+00	0.00E+00	0.00E+00	0.019611	0.009798	0.002332	1.96E-02	0.00392
532748.9	4256153.28	0.00E+00	0.00E+00	0.00E+00	0.016918	0.008632	0.001992	1.69E-02	0.00338
532768.73	4256137.18	0.00E+00	0.00E+00	0.00E+00	0.016022	0.008013	0.001688	1.60E-02	0.00320
532787.31	4256123.54	0.00E+00	0.00E+00	0.00E+00	0.014425	0.007344	0.001462	1.44E-02	0.00289
532810.86	4256103.72	0.00E+00	0.00E+00	0.00E+00	0.011987	0.006574	0.001224	1.20E-02	0.00240
532799.7	4256081.41	0.00E+00	0.00E+00	0.00E+00	0.016564	0.007652	0.001223	1.66E-02	0.00331
532782.36	4256066.55	0.00E+00	0.00E+00	0.00E+00	0.025114	0.009283	0.001287	2.51E-02	0.00502
532776.16	4256036.81	0.00E+00	0.00E+00	0.00E+00	0.03626	0.010894	0.00123	3.63E-02	0.00725
532746.42	4256055.39	0.00E+00	0.00E+00	0.00E+00	0.048835	0.013817	0.001507	4.88E-02	0.00977
532715.44	4256075.22	0.00E+00	0.00E+00	0.00E+00	0.05482	0.016402	0.001952	5.48E-02	0.01096
532693.14	4256092.57	0.00E+00	0.00E+00	0.00E+00	0.054443	0.017535	0.002408	5.44E-02	0.01089
532709.25	4256142.13	0.00E+00	0.00E+00	0.00E+00	0.025682	0.011708	0.002514	2.57E-02	0.00514
532699.34	4256121.07	0.00E+00	0.00E+00	0.00E+00	0.03504	0.013992	0.002519	3.50E-02	0.00701
532756.85	4255990.46	0.00E+00	0.00E+00	0.00E+00	0	0.016473	0.001257	1.65E-02	0.00329
532737.31	4255956.13	0.00E+00	0.00E+00	0.00E+00	0	0.027785	0.001349	2.78E-02	0.00556
532739.68	4256007.03	0.00E+00	0.00E+00	0.00E+00	0	0.019379	0.00142	1.94E-02	0.00388
532707.13	4255970.93	0.00E+00	0.00E+00	0.00E+00	0	0.042747	0.001629	4.27E-02	0.00855
532687	4255986.91	0.00E+00	0.00E+00	0.00E+00	0	0.048355	0.001892	4.84E-02	0.00967
532663.33	4256007.03	0.00E+00	0.00E+00	0.00E+00	0	0.052294	0.00229	5.23E-02	0.01046
532643.2	4256024.2	0.00E+00	0.00E+00	0.00E+00	0	0.053516	0.00275	5.35E-02	0.01070
532622.49	4256040.77	0.00E+00	0.00E+00	0.00E+00	0	0.053892	0.003369	5.39E-02	0.01078
532597.04	4256054.38	0.00E+00	0.00E+00	0.00E+00	0	0.054355	0.00449	5.44E-02	0.01087
532571.59	4256061.49	0.00E+00	0.00E+00	0.00E+00	0	0.05864	0.005982	5.86E-02	0.01173
532536.67	4256078.06	0.00E+00	0.00E+00	0.00E+00	0	0.057306	0.009848	5.73E-02	0.01146
532501.15	4256097	0.00E+00	0.00E+00	0.00E+00	0	0.051605	0.018731	5.16E-02	0.01032
532489.32	4256120.08	0.00E+00	0.00E+00	0.00E+00	0	0.038472	0.029036	3.85E-02	0.00769
532499.97	4256141.98	0.00E+00	0.00E+00	0.00E+00	0	0.02903	0.028057	2.90E-02	0.00581
532511.22	4256140.2	0.00E+00	0.00E+00	0.00E+00	0	0.029274	0.021567	2.93E-02	0.00585
532530.82	4256123.84	0.00E+00	0.00E+00	0.00E+00	0	0.033374	0.013973	3.34E-02	0.00667
532551.53	4256111.32	0.00E+00	0.00E+00	0.00E+00	0	0.035542	0.009648	3.55E-02	0.00711
532575.21	4256090.96	0.00E+00	0.00E+00	0.00E+00	0	0.040009	0.006544	4.00E-02	0.00800
532604.8	4256074.32	0.00E+00	0.00E+00	0.00E+00	0	0.040467	0.004475	4.05E-02	0.00809
532648.3	4256054.3	0.00E+00	0.00E+00	0.00E+00	0	0.035433	0.002906	3.54E-02	0.00709
532685.23	4256040.18	0.00E+00	0.00E+00	0.00E+00	0	0.028908	0.002124	2.89E-02	0.00578
532708.31	4256027.16	0.00E+00	0.00E+00	0.00E+00	0	0.025296	0.001765	2.53E-02	0.00506
532560.39	4255753.8	0.00E+00	0.00E+00	0.00E+00	0	0	0.003153	3.15E-03	0.00063
532538.78	4255727.86	0.00E+00	0.00E+00	0.00E+00	0	0	0.003065	3.06E-03	0.00061
532492.68	4255784.05	0.00E+00	0.00E+00	0.00E+00	0	0	0.004355	4.35E-03	0.00087
532391.83	4255828.71	0.00E+00	0.00E+00	0.00E+00	0	0	0.006014	6.01E-03	0.00120
532435.05	4255808.54	0.00E+00	0.00E+00	0.00E+00	0	0	0.0054	5.40E-03	0.00108
532492.68	4255748.03	0.00E+00	0.00E+00	0.00E+00	0	0	0.003673	3.67E-03	0.00073
532678.53	4255861.85	0.00E+00	0.00E+00	0.00E+00	0	0	0.001919	1.92E-03	0.00038
532643.96	4255815.75	0.00E+00	0.00E+00	0.00E+00	0	0	0.002492	2.49E-03	0.00050
532589.21	4255838.8	0.00E+00	0.00E+00	0.00E+00	0	0	0.003623	3.62E-03	0.00072
532618.02	4255896.43	0.00E+00	0.00E+00	0.00E+00	0	0	0.002844	2.84E-03	0.00057
532582	4255932.45	0.00E+00	0.00E+00	0.00E+00	0	0	0.003643	3.64E-03	0.00073
532548.87	4255943.97	0.00E+00	0.00E+00	0.00E+00	0	0	0.004716	4.72E-03	0.00094
532498.44	4255961.26	0.00E+00	0.00E+00	0.00E+00	0	0	0.007201	7.20E-03	0.00144
532452.34	4255982.87	0.00E+00	0.00E+00	0.00E+00	0	0	0.011926	1.19E-02	0.00239
532400.47	4255931.01	0.00E+00	0.00E+00	0.00E+00	0	0	0.018066	1.81E-02	0.00361
532455.22	4255923.8	0.00E+00	0.00E+00	0.00E+00	0	0	0.010656	1.07E-02	0.00213
532491.24	4255905.07	0.00E+00	0.00E+00	0.00E+00	0	0	0.007442	7.44E-03	0.00149
532518.61	4255887.79	0.00E+00	0.00E+00	0.00E+00	0	0	0.006116	6.12E-03	0.00122
532547.43	4255867.61	0.00E+00	0.00E+00	0.00E+00	0	0	0.004935	4.94E-03	0.00099
CONCUNIT ug/m^3		0.00E+00	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00000
DEPUNIT g/m ^2		0.00E+00	0.00E+00	0.00E+00	0	0	0	0.00E+00	0.00000

Elnoka Construction DPM Emissions

Tier IV Mitigation, Fugtive Dust Control at Sensitive Receptors

Annual Average PM2.5 (Exhaust + Fugitive Dust)

X (m)	Y (m)	2020 PM2.5 (ug/m3)	2021 PM2.5 (ug/m3)	2022 PM2.5 (ug/m3)	2023 PM2.5 (ug/m3)	2024 PM2.5 (ug/m3)	2025 PM2.5 (ug/m3)	Max PM2.5 (ug/m3)
532862.29	4256047.72	0.021	0.002	0.009	0.006	0.005	0.001	0.02070
532839.56	4256029.53	0.024	0.003	0.010	0.008	0.006	0.001	0.02376
532820.46	4255995.88	0.024	0.003	0.009	0.009	0.008	0.001	0.02446
532825.92	4255944.04	0.017	0.002	0.005	0.006	0.007	0.001	0.01704
532789.54	4255936.77	0.022	0.002	0.005	0.012	0.011	0.001	0.02218
532768.62	4255908.57	0.022	0.002	0.003	0.011	0.014	0.001	0.02158
532752.25	4255856.74	0.019	0.002	0.002	0.006	0.016	0.001	0.01862
532784.99	4255815.81	0.012	0.001	0.002	0.004	0.009	0.001	0.01239
532752.41	4255882.75	0.021	0.002	0.002	0.007	0.017	0.001	0.02126
532771.07	4255831.73	0.015	0.002	0.002	0.004	0.011	0.001	0.01452
532801.39	4255883.33	0.015	0.002	0.003	0.006	0.008	0.001	0.01482
532815.67	4255858.55	0.012	0.001	0.002	0.005	0.006	0.001	0.01202
532829.67	4255901.7	0.013	0.002	0.003	0.005	0.006	0.001	0.01326
532846.58	4255878.38	0.011	0.001	0.003	0.004	0.005	0.001	0.01068
532864.66	4255855.93	0.009	0.001	0.002	0.003	0.004	0.001	0.00885
532838.12	4255838.72	0.010	0.001	0.002	0.004	0.005	0.001	0.00969
532866.42	4255959.35	0.013	0.001	0.004	0.003	0.005	0.001	0.01280
532871.67	4255990.02	0.014	0.002	0.005	0.003	0.005	0.001	0.01394
532871.67	4255933.93	0.011	0.001	0.004	0.003	0.005	0.001	0.01109
532882.16	4255912.94	0.010	0.001	0.003	0.002	0.004	0.001	0.00957
532899.11	4255889.13	0.008	0.001	0.002	0.002	0.003	0.001	0.00775
532916.87	4255985.98	0.009	0.001	0.003	0.002	0.003	0.001	0.00903
532930.18	4255965	0.008	0.001	0.003	0.001	0.003	0.001	0.00759
532916.46	4255866.54	0.006	0.001	0.002	0.002	0.003	0.001	0.00642
532930.18	4255845.95	0.006	0.001	0.002	0.001	0.002	0.001	0.00553
532944.71	4255935.95	0.006	0.001	0.002	0.001	0.002	0.001	0.00622
532958.43	4255906.08	0.005	0.001	0.002	0.001	0.002	0.000	0.00520
532970.94	4255886.31	0.005	0.001	0.002	0.001	0.002	0.000	0.00453
532946.32	4255819.72	0.005	0.001	0.001	0.001	0.002	0.001	0.00471
532991.12	4255858.46	0.004	0.001	0.001	0.001	0.001	0.000	0.00383
533010.89	4255843.13	0.003	0.000	0.001	0.001	0.001	0.000	0.00328
532884.58	4255809.23	0.006	0.001	0.002	0.002	0.003	0.001	0.00628
532851.89	4255793.49	0.007	0.001	0.002	0.002	0.004	0.001	0.00701
532824.05	4255791.48	0.009	0.001	0.002	0.003	0.005	0.001	0.00875
533034.3	4255820.94	0.003	0.000	0.001	0.001	0.001	0.000	0.00279
533054.47	4255804.39	0.002	0.000	0.001	0.000	0.001	0.000	0.00244
532909.2	4256052.57	0.013	0.002	0.005	0.003	0.004	0.001	0.01308
532944.71	4256040.06	0.009	0.001	0.003	0.002	0.003	0.001	0.00880
532966.5	4256021.09	0.007	0.001	0.002	0.001	0.003	0.001	0.00686
532997.98	4256021.9	0.006	0.001	0.002	0.001	0.002	0.000	0.00556
532950.36	4256084.85	0.010	0.001	0.004	0.002	0.003	0.001	0.01012
532990.71	4256062.25	0.007	0.001	0.002	0.001	0.002	0.001	0.00659
533036.72	4256020.29	0.004	0.001	0.001	0.001	0.002	0.000	0.00426
533057.7	4256017.06	0.004	0.000	0.001	0.001	0.002	0.000	0.00365
533018.96	4255976.7	0.004	0.001	0.001	0.001	0.002	0.000	0.00430
533047.61	4255967.02	0.003	0.000	0.001	0.001	0.001	0.000	0.00345
532985.47	4255968.23	0.005	0.001	0.002	0.001	0.002	0.000	0.00516
533002.01	4255941.59	0.004	0.001	0.001	0.001	0.002	0.000	0.00427
533019.77	4255916.58	0.004	0.001	0.001	0.001	0.001	0.000	0.00359
533030.26	4255895.99	0.003	0.000	0.001	0.001	0.001	0.000	0.00318
533059.72	4255876.22	0.003	0.000	0.001	0.000	0.001	0.000	0.00261
533068.19	4255956.12	0.003	0.000	0.001	0.001	0.001	0.000	0.00299
533085.55	4256006.57	0.003	0.000	0.001	0.001	0.001	0.000	0.00309
533113.79	4255991.23	0.003	0.000	0.001	0.000	0.001	0.000	0.00263
533090.79	4255942.81	0.003	0.000	0.001	0.000	0.001	0.000	0.00262
533138.01	4255979.93	0.002	0.000	0.001	0.000	0.001	0.000	0.00232
533115.01	4255927.07	0.002	0.000	0.001	0.000	0.001	0.000	0.00228
533156.17	4255967.02	0.002	0.000	0.001	0.000	0.001	0.000	0.00209
533137.2	4255912.14	0.002	0.000	0.001	0.000	0.001	0.000	0.00201
532524.44	4256235.64	0.048	0.006	0.007	0.018	0.014	0.018	0.04775
532509.17	4256223.67	0.053	0.006	0.004	0.020	0.016	0.025	0.05263
532492.71	4256241.32	0.049	0.006	0.003	0.014	0.014	0.028	0.04926
532478.35	4256259.28	0.045	0.005	0.003	0.010	0.012	0.029	0.04486
532464.28	4256274.25	0.042	0.005	0.002	0.008	0.010	0.030	0.04177
532544.49	4256258.08	0.043	0.006	0.010	0.015	0.012	0.014	0.04273

Maximum
0.07 ug/m3

BAAQMD's Significance Thresholds
0.3 ug/m3

Exceed Thresholds?
No

532451.71	4256294.9	0.037	0.005	0.002	0.006	0.009	0.028	0.03735
532437.65	4256313.75	0.034	0.005	0.002	0.005	0.008	0.027	0.03402
532389.76	4256310.76	0.038	0.005	0.001	0.003	0.007	0.037	0.03832
532404.75	4256293.03	0.042	0.005	0.001	0.004	0.008	0.040	0.04222
532175.23	4256196.06	0.014	0.001	0.000	0.000	0.002	0.014	0.01406
532165.28	4256184.87	0.011	0.001	0.000	0.000	0.002	0.011	0.01111
532120.55	4256157.12	0.004	0.000	0.000	0.000	0.001	0.003	0.00428
532513.25	4256183.63	0.068	0.007	0.003	0.041	0.022	0.026	0.06807
532534.79	4256190.67	0.062	0.006	0.008	0.038	0.020	0.018	0.06185
532551.36	4256205.17	0.057	0.006	0.014	0.030	0.017	0.014	0.05720
532567.51	4256226.3	0.055	0.006	0.020	0.022	0.014	0.011	0.05477
532577.87	4256251.57	0.051	0.007	0.021	0.016	0.012	0.010	0.05140
532423.77	4256334.42	0.031	0.005	0.002	0.004	0.007	0.025	0.03066
532306.13	4256321.16	0.034	0.004	0.000	0.001	0.004	0.038	0.03847
532332.64	4256344.36	0.030	0.004	0.001	0.002	0.005	0.031	0.03120
532365.78	4256346.43	0.030	0.004	0.001	0.002	0.005	0.029	0.02995
532374.89	4256332.34	0.033	0.004	0.001	0.002	0.006	0.032	0.03312
532393.12	4256371.28	0.025	0.004	0.001	0.003	0.005	0.022	0.02542
532404.72	4256354.71	0.028	0.004	0.001	0.003	0.006	0.024	0.02777
532556.33	4256278.08	0.040	0.006	0.012	0.012	0.010	0.011	0.04025
532219.49	4255941.37	0.005	0.001	0.000	0.000	0.002	0.003	0.00451
532133.49	4256010.18	0.002	0.000	0.000	0.000	0.001	0.002	0.00234
532834.4	4256230.11	0.000	0.000	0.000	0.005	0.005	0.002	0.00510
532856.7	4256218.96	0.000	0.000	0.000	0.004	0.004	0.002	0.00444
532882.73	4256205.33	0.000	0.000	0.000	0.004	0.004	0.001	0.00375
532877.77	4256187.98	0.000	0.000	0.000	0.004	0.004	0.001	0.00411
532841.83	4256204.09	0.000	0.000	0.000	0.005	0.005	0.002	0.00533
532812.1	4256218.96	0.000	0.000	0.000	0.006	0.005	0.002	0.00646
532726.6	4256157	0.000	0.000	0.000	0.020	0.012	0.004	0.01970
532748.9	4256153.28	0.000	0.000	0.000	0.017	0.010	0.003	0.01696
532768.73	4256137.18	0.000	0.000	0.000	0.016	0.009	0.002	0.01605
532787.31	4256123.54	0.000	0.000	0.000	0.014	0.008	0.002	0.01444
532810.86	4256103.72	0.000	0.000	0.000	0.012	0.007	0.002	0.01200
532799.7	4256081.41	0.000	0.000	0.000	0.017	0.008	0.001	0.01657
532782.36	4256066.55	0.000	0.000	0.000	0.025	0.010	0.002	0.02512
532776.16	4256036.81	0.000	0.000	0.000	0.036	0.011	0.001	0.03627
532746.42	4256055.39	0.000	0.000	0.000	0.049	0.014	0.002	0.04885
532715.44	4256075.22	0.000	0.000	0.000	0.055	0.017	0.003	0.05484
532693.14	4256092.57	0.000	0.000	0.000	0.054	0.019	0.004	0.05449
532709.25	4256142.13	0.000	0.000	0.000	0.026	0.014	0.005	0.02579
532699.34	4256121.07	0.000	0.000	0.000	0.035	0.016	0.004	0.03513
532756.85	4255990.46	0.000	0.000	0.000	0.000	0.017	0.001	0.01669
532737.31	4255956.13	0.000	0.000	0.000	0.000	0.028	0.001	0.02796
532739.68	4256007.03	0.000	0.000	0.000	0.000	0.020	0.002	0.01964
532707.13	4255970.93	0.000	0.000	0.000	0.000	0.043	0.002	0.04296
532687	4255986.91	0.000	0.000	0.000	0.000	0.049	0.002	0.04859
532663.33	4256007.03	0.000	0.000	0.000	0.000	0.053	0.003	0.05262
532643.2	4256024.2	0.000	0.000	0.000	0.000	0.054	0.003	0.05391
532622.49	4256040.77	0.000	0.000	0.000	0.000	0.054	0.004	0.05432
532597.04	4256054.38	0.000	0.000	0.000	0.000	0.055	0.005	0.05483
532571.59	4256061.49	0.000	0.000	0.000	0.000	0.059	0.006	0.05907
532536.67	4256078.06	0.000	0.000	0.000	0.000	0.058	0.010	0.05772
532501.15	4256097	0.000	0.000	0.000	0.000	0.052	0.019	0.05204
532489.32	4256120.08	0.000	0.000	0.000	0.000	0.039	0.029	0.03908
532499.97	4256141.98	0.000	0.000	0.000	0.000	0.030	0.028	0.03018
532511.22	4256140.2	0.000	0.000	0.000	0.000	0.031	0.022	0.03059
532530.82	4256123.84	0.000	0.000	0.000	0.000	0.034	0.015	0.03448
532551.53	4256111.32	0.000	0.000	0.000	0.000	0.037	0.010	0.03662
532575.21	4256090.96	0.000	0.000	0.000	0.000	0.041	0.007	0.04085
532604.8	4256074.32	0.000	0.000	0.000	0.000	0.041	0.005	0.04129
532648.3	4256054.3	0.000	0.000	0.000	0.000	0.036	0.004	0.03621
532685.23	4256040.18	0.000	0.000	0.000	0.000	0.029	0.003	0.02941
532708.31	4256027.16	0.000	0.000	0.000	0.000	0.026	0.002	0.02566
532560.39	4255753.8	0.000	0.000	0.000	0.000	0.000	0.003	0.00319
532538.78	4255727.86	0.000	0.000	0.000	0.000	0.000	0.003	0.00308
532492.68	4255784.05	0.000	0.000	0.000	0.000	0.000	0.004	0.00439
532391.83	4255828.71	0.000	0.000	0.000	0.000	0.000	0.006	0.00603
532435.05	4255808.54	0.000	0.000	0.000	0.000	0.000	0.005	0.00542
532492.68	4255748.03	0.000	0.000	0.000	0.000	0.000	0.004	0.00369
532678.53	4255861.85	0.000	0.000	0.000	0.000	0.000	0.002	0.00199
532643.96	4255815.75	0.000	0.000	0.000	0.000	0.000	0.003	0.00255
532589.21	4255838.8	0.000	0.000	0.000	0.000	0.000	0.004	0.00368
532618.02	4255896.43	0.000	0.000	0.000	0.000	0.000	0.003	0.00292

532582	4255932.45	0.000	0.000	0.000	0.000	0.000	0.004	0.00372
532548.87	4255943.97	0.000	0.000	0.000	0.000	0.000	0.005	0.00479
532498.44	4255961.26	0.000	0.000	0.000	0.000	0.000	0.007	0.00726
532452.34	4255982.87	0.000	0.000	0.000	0.000	0.000	0.012	0.01196
532400.47	4255931.01	0.000	0.000	0.000	0.000	0.000	0.018	0.01810
532455.22	4255923.8	0.000	0.000	0.000	0.000	0.000	0.011	0.01069
532491.24	4255905.07	0.000	0.000	0.000	0.000	0.000	0.007	0.00748
532518.61	4255887.79	0.000	0.000	0.000	0.000	0.000	0.006	0.00617
532547.43	4255867.61	0.000	0.000	0.000	0.000	0.000	0.005	0.00499
CONCUNIT ug	/m^3	0.000	0.000	0.000	0.000	0.000	0.000	0.00000
DEPUNIT g/m	^2	0.000	0.000	0.000	0.000	0.000	0.000	0.00000

C.4 - AERMOD Output Files

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.4.0
** Lakes Environmental Software Inc.
** Date: 9/27/2017
** File: C:\Users\xli\Desktop\2498.0008 Elnoka Village HRA\Elnoka
Vilage HRA\Elnoka Vilage HRA.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\xli\Desktop\Elnoka Vilage HRA\Elnoka Vilage
HRA.isc
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 10000000
   POLLUTID DPM
   FLAGPOLE 1.80
   RUNORNOT RUN
   ERRORFIL "Elnoka Vilage HRA.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ---------------------------------------------------------------------
--
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0001
** Elevated
** Vertical Dimension = 6.22
** SZINIT = 1.45
** Nodes = 2
** 532774.039, 4256282.362, 110.05, 3.11, 6.51
```

```
** 532268.849, 4256587.470, 103.24, 3.11, 6.51
** ----------------------------------------------------------------
--
   LOCATION L0000001     VOLUME   532768.047 4256285.981 109.70
   LOCATION L0000002     VOLUME   532756.063 4256293.218 109.67
   LOCATION L0000003     VOLUME   532744.079 4256300.456 109.43
   LOCATION L0000004     VOLUME   532732.095 4256307.694 109.36
   LOCATION L0000005     VOLUME   532720.111 4256314.931 109.34
   LOCATION L0000006     VOLUME   532708.127 4256322.169 109.13
   LOCATION L0000007     VOLUME   532696.143 4256329.407 109.10
   LOCATION L0000008     VOLUME   532684.159 4256336.645 109.34
   LOCATION L0000009     VOLUME   532672.175 4256343.882 109.55
   LOCATION L0000010     VOLUME   532660.191 4256351.120 109.45
   LOCATION L0000011     VOLUME   532648.207 4256358.358 109.15
   LOCATION L0000012     VOLUME   532636.223 4256365.595 109.00
   LOCATION L0000013     VOLUME   532624.239 4256372.833 109.00
   LOCATION L0000014     VOLUME   532612.255 4256380.071 108.95
   LOCATION L0000015     VOLUME   532600.271 4256387.308 108.55
   LOCATION L0000016     VOLUME   532588.287 4256394.546 108.15
   LOCATION L0000017     VOLUME   532576.303 4256401.784 107.39
   LOCATION L0000018     VOLUME   532564.319 4256409.022 106.55
   LOCATION L0000019     VOLUME   532552.335 4256416.259 105.91
   LOCATION L0000020     VOLUME   532540.351 4256423.497 105.45
   LOCATION L0000021     VOLUME   532528.367 4256430.735 105.19
   LOCATION L0000022     VOLUME   532516.383 4256437.972 105.26
   LOCATION L0000023     VOLUME   532504.400 4256445.210 105.30
   LOCATION L0000024     VOLUME   532492.416 4256452.448 105.19
   LOCATION L0000025     VOLUME   532480.432 4256459.685 105.25
   LOCATION L0000026     VOLUME   532468.448 4256466.923 105.11
   LOCATION L0000027     VOLUME   532456.464 4256474.161 105.00
   LOCATION L0000028     VOLUME   532444.480 4256481.399 105.06
   LOCATION L0000029     VOLUME   532432.496 4256488.636 104.98
   LOCATION L0000030     VOLUME   532420.512 4256495.874 104.85
   LOCATION L0000031     VOLUME   532408.528 4256503.112 104.91
   LOCATION L0000032     VOLUME   532396.544 4256510.349 104.79
   LOCATION L0000033     VOLUME   532384.560 4256517.587 104.60
   LOCATION L0000034     VOLUME   532372.576 4256524.825 104.59
   LOCATION L0000035     VOLUME   532360.592 4256532.063 104.48
   LOCATION L0000036     VOLUME   532348.608 4256539.300 104.24
   LOCATION L0000037     VOLUME   532336.624 4256546.538 104.26
   LOCATION L0000038     VOLUME   532324.640 4256553.776 104.21
   LOCATION L0000039     VOLUME   532312.656 4256561.013 104.00
   LOCATION L0000040     VOLUME   532300.672 4256568.251 103.97
   LOCATION L0000041     VOLUME   532288.688 4256575.489 103.75
   LOCATION L0000042     VOLUME   532276.704 4256582.726 103.35
** End of LINE VOLUME Source ID = SLINE1
   LOCATION PAREA1       AREAPOLY   532646.616  4256331.342
109.020
** DESCRSRC Phase I area
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.000002381      3.11      6.51      1.45
```

```
   SRCPARAM L0000002     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000003     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000004     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000005     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000006     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000007     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000008     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000009     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000010     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000011     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000012     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000013     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000014     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000015     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000016     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000017     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000018     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000019     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000020     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000021     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000022     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000023     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000024     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000025     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000026     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000027     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000028     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000029     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000030     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000031     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000032     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000033     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000034     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000035     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000036     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000037     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000038     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000039     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000040     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000041     0.000002381      3.11      6.51      1.45
   SRCPARAM L0000042     0.000002381      3.11      6.51      1.45
** ------------------------------------------------------------------
--
   SRCPARAM PAREA1          0.0001     5.000         8
   AREAVERT PAREA1       532646.616 4256331.342 532896.024 4256204.637
   AREAVERT PAREA1       532592.215 4255658.595 532365.397 4255817.392
   AREAVERT PAREA1       532351.861 4255935.223 532185.144 4256115.277
   AREAVERT PAREA1       532314.516 4256287.329 532553.032 4256135.157
   URBANSRC L0000001
   URBANSRC L0000002
   URBANSRC L0000003
   URBANSRC L0000004
```

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   URBANSRC L0000005
   URBANSRC L0000006
   URBANSRC L0000007
   URBANSRC L0000008
   URBANSRC L0000009
   URBANSRC L0000010
   URBANSRC L0000011
   URBANSRC L0000012
   URBANSRC L0000013
   URBANSRC L0000014
   URBANSRC L0000015
   URBANSRC L0000016
   URBANSRC L0000017
   URBANSRC L0000018
   URBANSRC L0000019
   URBANSRC L0000020
   URBANSRC L0000021
   URBANSRC L0000022
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   URBANSRC L0000024
   URBANSRC L0000025
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   URBANSRC L0000030
   URBANSRC L0000031
   URBANSRC L0000032
   URBANSRC L0000033
   URBANSRC L0000034
   URBANSRC L0000035
   URBANSRC L0000036
   URBANSRC L0000037
   URBANSRC L0000038
   URBANSRC L0000039
   URBANSRC L0000040
   URBANSRC L0000041
   URBANSRC L0000042
   URBANSRC PAREA1

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 2"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000003     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000015     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000035     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000036     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000037     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000038     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000039     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000040     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000041     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000042     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Line     L0000001 L0000002 L0000003 L0000004 L0000005
L0000006
   SRCGROUP Line     L0000007 L0000008 L0000009 L0000010 L0000011
L0000012
   SRCGROUP Line     L0000013 L0000014 L0000015 L0000016 L0000017
L0000018
   SRCGROUP Line     L0000019 L0000020 L0000021 L0000022 L0000023
L0000024
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   SRCGROUP Line     L0000025 L0000026 L0000027 L0000028 L0000029
L0000030
   SRCGROUP Line     L0000031 L0000032 L0000033 L0000034 L0000035
L0000036
   SRCGROUP Line     L0000037 L0000038 L0000039 L0000040 L0000041
L0000042
   SRCGROUP area     PAREA1
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Elnoka Vilage HRA.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\724957\724957.SFC
   PROFFILE ..\724957\724957.PFL
   SURFDATA 23213 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 34.8 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "Elnoka Vilage HRA.AD\AN00GALL.PLT" 31
   PLOTFILE ANNUAL Line "Elnoka Vilage HRA.AD\AN00G001.PLT" 32
   PLOTFILE ANNUAL area "Elnoka Vilage HRA.AD\AN00G002.PLT" 33
   SUMMFILE "Elnoka Vilage HRA.sum"
OU FINISHED

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


 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
```

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL   URBAN

                                              ***   MODEL SETUP
OPTIONS SUMMARY   ***
 -
- -

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

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

 **Model Uses URBAN Dispersion Algorithm for the SBL for   43
Source(s),
   for Total of   1 Urban Area(s):
   Urban Population = 10000000.0 ; Urban Roughness Length = 1.000 m

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

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

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of: DPM

 **Model Calculates ANNUAL Averages Only

 **This Run Includes: 43 Source(s);   3 Source Group(s); and
87 Receptor(s)

                with: 0 POINT(s), including
                           0 POINTCAP(s) and   0 POINTHOR(s)
                 and: 42 VOLUME source(s)
                 and: 1 AREA type source(s)
                 and: 0 LINE source(s)
                 and: 0 OPENPIT source(s)

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

 **The AERMET Input Meteorological Data Version Date:  14134

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =
34.80 ;  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.

 **Detailed Error/Message File:   Elnoka Vilage HRA.err
 **File for Summary of Results:   Elnoka Vilage HRA.sum

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

PAGE   2
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN


                                                    *** VOLUME SOURCE
DATA ***

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

```
 L0000001         0   0.23810E-05  532768.0 4256286.0   109.7     3.11
6.51     1.45     YES   HRDOW
 L0000002         0   0.23810E-05  532756.1 4256293.2   109.7     3.11
6.51     1.45     YES   HRDOW
 L0000003         0   0.23810E-05  532744.1 4256300.5   109.4     3.11
6.51     1.45     YES   HRDOW
 L0000004         0   0.23810E-05  532732.1 4256307.7   109.4     3.11
6.51     1.45     YES   HRDOW
 L0000005         0   0.23810E-05  532720.1 4256314.9   109.3     3.11
6.51     1.45     YES   HRDOW
 L0000006         0   0.23810E-05  532708.1 4256322.2   109.1     3.11
6.51     1.45     YES   HRDOW
 L0000007         0   0.23810E-05  532696.1 4256329.4   109.1     3.11
6.51     1.45     YES   HRDOW
 L0000008         0   0.23810E-05  532684.2 4256336.6   109.3     3.11
6.51     1.45     YES   HRDOW
 L0000009         0   0.23810E-05  532672.2 4256343.9   109.5     3.11
6.51     1.45     YES   HRDOW
 L0000010         0   0.23810E-05  532660.2 4256351.1   109.5     3.11
6.51     1.45     YES   HRDOW
 L0000011         0   0.23810E-05  532648.2 4256358.4   109.1     3.11
6.51     1.45     YES   HRDOW
 L0000012         0   0.23810E-05  532636.2 4256365.6   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000013         0   0.23810E-05  532624.2 4256372.8   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000014         0   0.23810E-05  532612.3 4256380.1   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000015         0   0.23810E-05  532600.3 4256387.3   108.5     3.11
6.51     1.45     YES   HRDOW
 L0000016         0   0.23810E-05  532588.3 4256394.5   108.1     3.11
6.51     1.45     YES   HRDOW
 L0000017         0   0.23810E-05  532576.3 4256401.8   107.4     3.11
6.51     1.45     YES   HRDOW
 L0000018         0   0.23810E-05  532564.3 4256409.0   106.5     3.11
6.51     1.45     YES   HRDOW
 L0000019         0   0.23810E-05  532552.3 4256416.3   105.9     3.11
6.51     1.45     YES   HRDOW
 L0000020         0   0.23810E-05  532540.4 4256423.5   105.5     3.11
6.51     1.45     YES   HRDOW
 L0000021         0   0.23810E-05  532528.4 4256430.7   105.2     3.11
6.51     1.45     YES   HRDOW
 L0000022         0   0.23810E-05  532516.4 4256438.0   105.3     3.11
6.51     1.45     YES   HRDOW
 L0000023         0   0.23810E-05  532504.4 4256445.2   105.3     3.11
6.51     1.45     YES   HRDOW
 L0000024         0   0.23810E-05  532492.4 4256452.4   105.2     3.11
6.51     1.45     YES   HRDOW
 L0000025         0   0.23810E-05  532480.4 4256459.7   105.2     3.11
6.51     1.45     YES   HRDOW
 L0000026         0   0.23810E-05  532468.4 4256466.9   105.1     3.11
6.51     1.45     YES   HRDOW
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 L0000027         0   0.23810E-05  532456.5 4256474.2   105.0     3.11
6.51     1.45     YES   HRDOW
 L0000028         0   0.23810E-05  532444.5 4256481.4   105.1     3.11
6.51     1.45     YES   HRDOW
 L0000029         0   0.23810E-05  532432.5 4256488.6   105.0     3.11
6.51     1.45     YES   HRDOW
 L0000030         0   0.23810E-05  532420.5 4256495.9   104.8     3.11
6.51     1.45     YES   HRDOW
 L0000031         0   0.23810E-05  532408.5 4256503.1   104.9     3.11
6.51     1.45     YES   HRDOW
 L0000032         0   0.23810E-05  532396.5 4256510.3   104.8     3.11
6.51     1.45     YES   HRDOW
 L0000033         0   0.23810E-05  532384.6 4256517.6   104.6     3.11
6.51     1.45     YES   HRDOW
 L0000034         0   0.23810E-05  532372.6 4256524.8   104.6     3.11
6.51     1.45     YES   HRDOW
 L0000035         0   0.23810E-05  532360.6 4256532.1   104.5     3.11
6.51     1.45     YES   HRDOW
 L0000036         0   0.23810E-05  532348.6 4256539.3   104.2     3.11
6.51     1.45     YES   HRDOW
 L0000037         0   0.23810E-05  532336.6 4256546.5   104.3     3.11
6.51     1.45     YES   HRDOW
 L0000038         0   0.23810E-05  532324.6 4256553.8   104.2     3.11
6.51     1.45     YES   HRDOW
 L0000039         0   0.23810E-05  532312.7 4256561.0   104.0     3.11
6.51     1.45     YES   HRDOW
 L0000040         0   0.23810E-05  532300.7 4256568.3   104.0     3.11
6.51     1.45     YES   HRDOW

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN


                                                    *** VOLUME SOURCE
DATA ***

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

 L0000041         0   0.23810E-05  532288.7 4256575.5   103.8     3.11
6.51     1.45     YES   HRDOW
```

*** AREAPOLY SOURCE
DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PAREA1	0	0.10000E-03	532646.6	4256331.3	109.0	5.00	8	0.00	YES	HRDOW

*** SOURCE IDs DEFINING
SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
LINE	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,

```
             L0000025    , L0000026    , L0000027    , L0000028    ,
L0000029    , L0000030    , L0000031    , L0000032    ,

             L0000033    , L0000034    , L0000035    , L0000036    ,
L0000037    , L0000038    , L0000039    , L0000040    ,

             L0000041    , L0000042    ,

  AREA       PAREA1      ,

  ALL        L0000001    , L0000002    , L0000003    , L0000004    ,
L0000005    , L0000006    , L0000007    , L0000008    ,

             L0000009    , L0000010    , L0000011    , L0000012    ,
L0000013    , L0000014    , L0000015    , L0000016    ,

             L0000017    , L0000018    , L0000019    , L0000020    ,
L0000021    , L0000022    , L0000023    , L0000024    ,

             L0000025    , L0000026    , L0000027    , L0000028    ,
L0000029    , L0000030    , L0000031    , L0000032    ,

             L0000033    , L0000034    , L0000035    , L0000036    ,
L0000037    , L0000038    , L0000039    , L0000040    ,

             L0000041    , L0000042    , PAREA1      ,

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN


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

  URBAN ID   URBAN POP                                    SOURCE IDs
  --------   ---------                                    ----------


             10000000.   L0000001    , L0000002    , L0000003    ,
L0000004    , L0000005    , L0000006    , L0000007    ,
 L0000008    ,

             L0000009    , L0000010    , L0000011    , L0000012    ,
L0000013    , L0000014    , L0000015    , L0000016    ,

             L0000017    , L0000018    , L0000019    , L0000020    ,
L0000021    , L0000022    , L0000023    , L0000024    ,
```

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000004     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000005     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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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Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000007 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

PAGE  14
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000008     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000009   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000010     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000011     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

PAGE  18
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000012     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000013 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :

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

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

PAGE  21
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000015     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000016   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0000017   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/27/17
 *** AERMET - VERSION 14134 ***   ***
***   10:54:50

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000018   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000019     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000020     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000022 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000023     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000024   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0000025     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000026     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

PAGE  33
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000027     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000028 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000029 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000030     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000031   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000032   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/27/17
 *** AERMET - VERSION 14134 ***   ***
***   10:54:50

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL   URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000033   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000034     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000035     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN
```

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

PAGE  44
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000038     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000039   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0000040     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000041     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

PAGE  48
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000042     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = PAREA1 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** DISCRETE CARTESIAN RECEPTORS ***

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

(METERS)

```
     ( 532862.3, 4256047.7,     114.9,     832.0,       1.8);
( 532839.6, 4256029.5,     115.4,     832.0,       1.8);
     ( 532820.5, 4255995.9,     115.0,     832.0,       1.8);
( 532825.9, 4255944.0,     117.6,     832.0,       1.8);
     ( 532789.5, 4255936.8,     118.3,     832.0,       1.8);
( 532768.6, 4255908.6,     120.9,     832.0,       1.8);
     ( 532752.2, 4255856.7,     121.8,     832.0,       1.8);
( 532785.0, 4255815.8,     121.3,     832.0,       1.8);
     ( 532752.4, 4255882.8,     121.7,     832.0,       1.8);
( 532771.1, 4255831.7,     121.4,     832.0,       1.8);
     ( 532801.4, 4255883.3,     120.9,     832.0,       1.8);
( 532815.7, 4255858.5,     121.4,     832.0,       1.8);
     ( 532829.7, 4255901.7,     120.2,     832.0,       1.8);
( 532846.6, 4255878.4,     120.9,     832.0,       1.8);
     ( 532864.7, 4255855.9,     121.2,     832.0,       1.8);
( 532838.1, 4255838.7,     121.9,     832.0,       1.8);
     ( 532866.4, 4255959.3,     119.1,     832.0,       1.8);
( 532871.7, 4255990.0,     118.4,     832.0,       1.8);
     ( 532871.7, 4255933.9,     120.2,     832.0,       1.8);
( 532882.2, 4255912.9,     120.9,     832.0,       1.8);
     ( 532899.1, 4255889.1,     123.0,     832.0,       1.8);
( 532916.9, 4255986.0,     122.6,     832.0,       1.8);
     ( 532930.2, 4255965.0,     124.7,     832.0,       1.8);
( 532916.5, 4255866.5,     125.5,     832.0,       1.8);
     ( 532930.2, 4255846.0,     127.8,     832.0,       1.8);
( 532944.7, 4255936.0,     127.1,     832.0,       1.8);
     ( 532958.4, 4255906.1,     130.5,     832.0,       1.8);
( 532970.9, 4255886.3,     133.6,     832.0,       1.8);
     ( 532946.3, 4255819.7,     130.3,     832.0,       1.8);
( 532991.1, 4255858.5,     135.6,     832.0,       1.8);
     ( 533010.9, 4255843.1,     137.3,     832.0,       1.8);
( 532884.6, 4255809.2,     129.3,     832.0,       1.8);
     ( 532851.9, 4255793.5,     129.9,     832.0,       1.8);
( 532824.1, 4255791.5,     123.6,     832.0,       1.8);
     ( 533034.3, 4255820.9,     140.4,     832.0,       1.8);
( 533054.5, 4255804.4,     143.8,     832.0,       1.8);
     ( 532909.2, 4256052.6,     115.4,     832.0,       1.8);
( 532944.7, 4256040.1,     118.3,     832.0,       1.8);
     ( 532966.5, 4256021.1,     120.8,     832.0,       1.8);
( 532998.0, 4256021.9,     119.5,     832.0,       1.8);
     ( 532950.4, 4256084.8,     111.4,     832.0,       1.8);
( 532990.7, 4256062.2,     114.4,     832.0,       1.8);
     ( 533036.7, 4256020.3,     120.7,     832.0,       1.8);
( 533057.7, 4256017.1,     121.5,     832.0,       1.8);
     ( 533019.0, 4255976.7,     125.0,     832.0,       1.8);
( 533047.6, 4255967.0,     127.4,     832.0,       1.8);
     ( 532985.5, 4255968.2,     126.3,     832.0,       1.8);
( 533002.0, 4255941.6,     130.9,     832.0,       1.8);
     ( 533019.8, 4255916.6,     135.1,     832.0,       1.8);
( 533030.3, 4255896.0,     137.5,     832.0,       1.8);
     ( 533059.7, 4255876.2,     140.8,     832.0,       1.8);
( 533068.2, 4255956.1,     129.1,     832.0,       1.8);
```

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     ( 533085.6, 4256006.6,     121.3,     832.0,       1.8);
( 533113.8, 4255991.2,     121.1,     832.0,       1.8);
     ( 533090.8, 4255942.8,     129.3,     832.0,       1.8);
( 533138.0, 4255979.9,     121.1,     832.0,       1.8);
     ( 533115.0, 4255927.1,     130.1,     832.0,       1.8);
( 533156.2, 4255967.0,     122.0,     832.0,       1.8);
     ( 533137.2, 4255912.1,     131.6,     832.0,       1.8);
( 532524.4, 4256235.6,     107.1,     832.0,       1.8);
     ( 532509.2, 4256223.7,     108.3,     832.0,       1.8);
( 532492.7, 4256241.3,     107.5,     832.0,       1.8);
     ( 532478.4, 4256259.3,     105.7,     832.0,       1.8);
( 532464.3, 4256274.2,     104.7,     832.0,       1.8);
     ( 532544.5, 4256258.1,     107.0,     832.0,       1.8);
( 532451.7, 4256294.9,     103.6,     832.0,       1.8);
     ( 532437.7, 4256313.8,     103.1,     832.0,       1.8);
( 532389.8, 4256310.8,     102.3,     832.0,       1.8);
     ( 532404.8, 4256293.0,     102.1,     832.0,       1.8);
( 532175.2, 4256196.1,     105.1,     832.0,       1.8);
     ( 532165.3, 4256184.9,     104.7,     832.0,       1.8);
( 532120.6, 4256157.1,     100.6,     832.0,       1.8);
     ( 532513.2, 4256183.6,     110.4,     832.0,       1.8);
( 532534.8, 4256190.7,     109.3,     832.0,       1.8);
     ( 532551.4, 4256205.2,     109.0,     832.0,       1.8);
( 532567.5, 4256226.3,     108.6,     832.0,       1.8);
     ( 532577.9, 4256251.6,     108.3,     832.0,       1.8);
( 532423.8, 4256334.4,     103.0,     832.0,       1.8);
     ( 532306.1, 4256321.2,     100.8,     832.0,       1.8);
( 532332.6, 4256344.4,     101.0,     832.0,       1.8);
     ( 532365.8, 4256346.4,     101.7,     832.0,       1.8);
( 532374.9, 4256332.3,     102.0,     832.0,       1.8);
     ( 532393.1, 4256371.3,     102.8,     832.0,       1.8);
( 532404.7, 4256354.7,     103.0,     832.0,       1.8);
     ( 532556.3, 4256278.1,     106.7,     832.0,       1.8);
( 532219.5, 4255941.4,     101.1,     832.0,       1.8);
     ( 532133.5, 4256010.2,      99.6,     832.0,       1.8);

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
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***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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

            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
```

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

Surface file: ..\724957\724957.SFC
Met Version: 14134
Profile file: ..\724957\724957.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23213 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

```
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN
Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 09 01 01   1 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.9    2.0
 09 01 01   1 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.2    2.0
 09 01 01   1 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.9    2.0
 09 01 01   1 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  280.4    2.0
 09 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  280.4    2.0
 09 01 01   1 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  280.4    2.0
 09 01 01   1 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  280.4    2.0
 09 01 01   1 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  280.4    2.0
 09 01 01   1 09 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   0.42    0.00    0.   10.0  280.9    2.0
 09 01 01   1 10   17.5 -9.000 -9.000 -9.000  157. -999. -99999.0
0.03   0.74   0.29    0.00    0.   10.0  282.0    2.0
 09 01 01   1 11   32.5 -9.000 -9.000 -9.000  263. -999. -99999.0
0.03   0.74   0.24    0.00    0.   10.0  283.1    2.0
 09 01 01   1 12   82.0 -9.000 -9.000 -9.000  426. -999. -99999.0
0.03   0.74   0.22    0.00    0.   10.0  284.9    2.0
 09 01 01   1 13   87.8  0.208  1.039  0.016  462.  228.     -9.3
0.03   0.74   0.22    2.36  999.   10.0  285.9    2.0
 09 01 01   1 14   74.7  0.288  1.001  0.015  485.  371.    -28.9
0.05   0.74   0.23    3.36  159.   10.0  285.4    2.0
 09 01 01   1 15   49.4  0.351  0.880  0.015  499.  499.    -79.2
0.05   0.74   0.26    4.36  162.   10.0  283.8    2.0
 09 01 01   1 16   12.7  0.265  0.561  0.015  502.  331.   -132.2
0.05   0.74   0.34    3.36  164.   10.0  282.5    2.0
 09 01 01   1 17   -7.2  0.089 -9.000 -9.000 -999.  102.      8.8
0.05   0.74   0.57    2.36  171.   10.0  281.4    2.0
 09 01 01   1 18   -8.3  0.089 -9.000 -9.000 -999.   64.      7.7
0.05   0.74   1.00    2.36  177.   10.0  279.9    2.0
 09 01 01   1 19   -4.3  0.066 -9.000 -9.000 -999.   41.      6.1
0.05   0.74   1.00    1.76  164.   10.0  278.8    2.0
 09 01 01   1 20  -10.5  0.183 -9.000 -9.000 -999.  188.     52.9
0.05   0.74   1.00    2.86  127.   10.0  278.8    2.0
 09 01 01   1 21   -7.6  0.133 -9.000 -9.000 -999.  117.     27.9
0.05   0.74   1.00    2.36  120.   10.0  278.8    2.0
 09 01 01   1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  278.8    2.0
 09 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.2    2.0
 09 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.2    2.0
```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: LINE ***
INCLUDING SOURCE(S):

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532862.29	4256047.72	0.00005	532839.56	4256029.53	0.00004
532820.46	4255995.88	0.00004	532825.92	4255944.04	0.00003
532789.54	4255936.77	0.00003	532768.62	4255908.57	0.00003
532752.25	4255856.74	0.00002	532784.99	4255815.81	0.00002
532752.41	4255882.75	0.00002	532771.07	4255831.73	0.00002
532801.39	4255883.33	0.00002	532815.67	4255858.55	0.00002
532829.67	4255901.70	0.00003	532846.58	4255878.38	0.00002

```
         532864.66    4255855.93        0.00002
532838.12    4255838.72        0.00002
         532866.42    4255959.35        0.00003
532871.67    4255990.02        0.00003
         532871.67    4255933.93        0.00003
532882.16    4255912.94        0.00003
         532899.11    4255889.13        0.00002
532916.87    4255985.98        0.00003
         532930.18    4255965.00        0.00002
532916.46    4255866.54        0.00002
         532930.18    4255845.95        0.00002
532944.71    4255935.95        0.00002
         532958.43    4255906.08        0.00002
532970.94    4255886.31        0.00002
         532946.32    4255819.72        0.00002
532991.12    4255858.46        0.00002
         533010.89    4255843.13        0.00001
532884.58    4255809.23        0.00002
         532851.89    4255793.49        0.00002
532824.05    4255791.48        0.00002
         533034.30    4255820.94        0.00001
533054.47    4255804.39        0.00001
         532909.20    4256052.57        0.00004
532944.71    4256040.06        0.00003
         532966.50    4256021.09        0.00002
532997.98    4256021.90        0.00002
         532950.36    4256084.85        0.00003
532990.71    4256062.25        0.00002
         533036.72    4256020.29        0.00002
533057.70    4256017.06        0.00002
         533018.96    4255976.70        0.00002
533047.61    4255967.02        0.00001
         532985.47    4255968.23        0.00002
533002.01    4255941.59        0.00002
         533019.77    4255916.58        0.00002
533030.26    4255895.99        0.00001
         533059.72    4255876.22        0.00001
533068.19    4255956.12        0.00001
         533085.55    4256006.57        0.00001
533113.79    4255991.23        0.00001
         533090.79    4255942.81        0.00001
533138.01    4255979.93        0.00001
         533115.01    4255927.07        0.00001
533156.17    4255967.02        0.00001
         533137.20    4255912.14        0.00001
532524.44    4256235.64        0.00011
         532509.17    4256223.67        0.00009
532492.71    4256241.32        0.00010
         532478.35    4256259.28        0.00010
532464.28    4256274.25        0.00011
         532544.49    4256258.08        0.00015
532451.71    4256294.90        0.00012
```

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532437.65	4256313.75	0.00013			
532389.76	4256310.76	0.00009			
532404.75	4256293.03	0.00009			
532175.23	4256196.06	0.00001			
532165.28	4256184.87	0.00001			
532120.55	4256157.12	0.00001			
532513.25	4256183.63	0.00007			
532534.79	4256190.67	0.00008			
532551.36	4256205.17	0.00010			
532567.51	4256226.30	0.00012			
532577.87	4256251.57	0.00017			
532423.77	4256334.42	0.00015			
532306.13	4256321.16	0.00005			
532332.64	4256344.36	0.00008			
532365.78	4256346.43	0.00011			
532374.89	4256332.34	0.00010			
532393.12	4256371.28	0.00017			
532404.72	4256354.71	0.00016			
532556.33	4256278.08	0.00019			
532219.49	4255941.37	0.00001			
532133.49	4256010.18	0.00001			

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: AREA ***
INCLUDING SOURCE(S):
PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532862.29	4256047.72	28.88924	532839.56	4256029.53	33.22996
532820.46	4255995.88	34.32454	532825.92	4255944.04	23.88236
532789.54	4255936.77	31.18290	532768.62	4255908.57	30.33112
532752.25	4255856.74	26.22261	532784.99	4255815.81	17.39016
532752.41	4255882.75	29.97318	532771.07	4255831.73	20.40554
532801.39	4255883.33	20.73959	532815.67	4255858.55	16.85770
532829.67	4255901.70	18.51902	532846.58	4255878.38	14.96014
532864.66	4255855.93	12.36574	532838.12	4255838.72	13.55664
532866.42	4255959.35	17.87568	532871.67	4255990.02	19.38941
532871.67	4255933.93	15.44239	532882.16	4255912.94	13.28825
532899.11	4255889.13	10.79984	532916.87	4255985.98	12.51722
532930.18	4255965.00	10.47761	532916.46	4255866.54	8.90991
532930.18	4255845.95	7.65971	532944.71	4255935.95	8.63403
532958.43	4255906.08	7.18011	532970.94	4255886.31	6.23160

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         532946.32    4255819.72        6.48942
532991.12    4255858.46        5.23911
         533010.89    4255843.13        4.56133
532884.58    4255809.23        8.71626
         532851.89    4255793.49        9.75897
532824.05    4255791.48       12.21714
         533034.30    4255820.94        3.86025
533054.47    4255804.39        3.37059
         532909.20    4256052.57       18.16629
532944.71    4256040.06       12.20007
         532966.50    4256021.09        9.53898
532997.98    4256021.90        7.70204
         532950.36    4256084.85       14.07226
532990.71    4256062.25        9.15025
         533036.72    4256020.29        5.84469
533057.70    4256017.06        5.07729
         533018.96    4255976.70        5.91509
533047.61    4255967.02        4.79573
         532985.47    4255968.23        7.12296
533002.01    4255941.59        5.86245
         533019.77    4255916.58        4.89915
533030.26    4255895.99        4.40861
         533059.72    4255876.22        3.60498
533068.19    4255956.12        4.15127
         533085.55    4256006.57        4.28671
533113.79    4255991.23        3.63867
         533090.79    4255942.81        3.62215
533138.01    4255979.93        3.18995
         533115.01    4255927.07        3.13739
533156.17    4255967.02        2.86823
         533137.20    4255912.14        2.75345
532524.44    4256235.64       66.69552
         532509.17    4256223.67       73.80845
532492.71    4256241.32       68.92187
         532478.35    4256259.28       62.58175
532464.28    4256274.25       58.20570
         532544.49    4256258.08       59.18049
532451.71    4256294.90       51.74219
         532437.65    4256313.75       46.91604
532389.76    4256310.76       53.40791
         532404.75    4256293.03       59.03196
532175.23    4256196.06       19.08093
         532165.28    4256184.87       15.60765
532120.55    4256157.12        5.97254
         532513.25    4256183.63       95.91099
532534.79    4256190.67       86.98287
         532551.36    4256205.17       80.19730
532567.51    4256226.30       76.45317
         532577.87    4256251.57       71.29426
532423.77    4256334.42       42.05286
         532306.13    4256321.16       47.86861
532332.64    4256344.36       41.68429
```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: AREA ***
INCLUDING SOURCE(S):
PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532365.78	4256346.43	41.43587	532374.89	4256332.34	46.03327
532393.12	4256371.28	34.33274	532404.72	4256354.71	37.85598
532556.33	4256278.08	55.17211	532219.49	4255941.37	6.29836
532133.49	4256010.18	3.22297			

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532862.29	4256047.72	28.88928	532839.56	4256029.53	33.23001
532820.46	4255995.88	34.32458	532825.92	4255944.04	23.88240
532789.54	4255936.77	31.18293	532768.62	4255908.57	30.33114
532752.25	4255856.74	26.22263	532784.99	4255815.81	17.39018
532752.41	4255882.75	29.97321	532771.07	4255831.73	20.40556
532801.39	4255883.33	20.73962	532815.67	4255858.55	16.85772
532829.67	4255901.70	18.51905	532846.58	4255878.38	14.96017
532864.66	4255855.93	12.36577	532838.12	4255838.72	13.55666
532866.42	4255959.35	17.87571	532871.67	4255990.02	19.38944
532871.67	4255933.93	15.44242	532882.16	4255912.94	13.28827
532899.11	4255889.13	10.79986	532916.87	4255985.98	12.51725
532930.18	4255965.00	10.47763	532916.46	4255866.54	8.90993
532930.18	4255845.95	7.65973	532944.71	4255935.95	8.63405
532958.43	4255906.08	7.18013	532970.94	4255886.31	6.23162
532946.32	4255819.72	6.48944	532991.12	4255858.46	5.23913
533010.89	4255843.13	4.56135	532884.58	4255809.23	8.71628
532851.89	4255793.49	9.75899	532824.05	4255791.48	12.21716
533034.30	4255820.94	3.86027	533054.47	4255804.39	3.37060
532909.20	4256052.57	18.16633	532944.71	4256040.06	12.20010
532966.50	4256021.09	9.53901	532997.98	4256021.90	7.70206
532950.36	4256084.85	14.07230	532990.71	4256062.25	9.15027

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         533036.72    4256020.29        5.84471
533057.70    4256017.06        5.07731
         533018.96    4255976.70        5.91511
533047.61    4255967.02        4.79574
         532985.47    4255968.23        7.12298
533002.01    4255941.59        5.86247
         533019.77    4255916.58        4.89917
533030.26    4255895.99        4.40862
         533059.72    4255876.22        3.60499
533068.19    4255956.12        4.15129
         533085.55    4256006.57        4.28673
533113.79    4255991.23        3.63868
         533090.79    4255942.81        3.62216
533138.01    4255979.93        3.18996
         533115.01    4255927.07        3.13740
533156.17    4255967.02        2.86824
         533137.20    4255912.14        2.75346
532524.44    4256235.64       66.69563
         532509.17    4256223.67       73.80855
532492.71    4256241.32       68.92196
         532478.35    4256259.28       62.58185
532464.28    4256274.25       58.20581
         532544.49    4256258.08       59.18064
532451.71    4256294.90       51.74232
         532437.65    4256313.75       46.91617
532389.76    4256310.76       53.40800
         532404.75    4256293.03       59.03205
532175.23    4256196.06       19.08094
         532165.28    4256184.87       15.60766
532120.55    4256157.12        5.97255
         532513.25    4256183.63       95.91106
532534.79    4256190.67       86.98295
         532551.36    4256205.17       80.19739
532567.51    4256226.30       76.45330
         532577.87    4256251.57       71.29442
532423.77    4256334.42       42.05301
         532306.13    4256321.16       47.86867
532332.64    4256344.36       41.68437

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

PAGE  58
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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

                                          *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)        CONC                        X-
COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532365.78    4256346.43       41.43598
532374.89    4256332.34       46.03338
         532393.12    4256371.28       34.33291
532404.72    4256354.71       37.85614
         532556.33    4256278.08       55.17230
532219.49    4255941.37        6.29837
         532133.49    4256010.18        3.22298

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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


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


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

LINE      1ST HIGHEST VALUE IS       0.00019 AT (  532556.33,
4256278.08,   106.73,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS       0.00017 AT (  532393.12,
4256371.28,   102.82,   832.00,    1.80)  DC
```

```
          3RD HIGHEST VALUE IS       0.00017 AT (  532577.87,
4256251.57,   108.30,   832.00,    1.80)  DC
          4TH HIGHEST VALUE IS       0.00016 AT (  532404.72,
4256354.71,   103.00,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS       0.00015 AT (  532544.49,
4256258.08,   106.97,   832.00,    1.80)  DC
          6TH HIGHEST VALUE IS       0.00015 AT (  532423.77,
4256334.42,   103.00,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS       0.00013 AT (  532437.65,
4256313.75,   103.06,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS       0.00012 AT (  532567.51,
4256226.30,   108.64,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS       0.00012 AT (  532451.71,
4256294.90,   103.65,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS       0.00011 AT (  532464.28,
4256274.25,   104.74,   832.00,    1.80)  DC

AREA      1ST HIGHEST VALUE IS      95.91099 AT (  532513.25,
4256183.63,   110.37,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS      86.98287 AT (  532534.79,
4256190.67,   109.33,   832.00,    1.80)  DC
          3RD HIGHEST VALUE IS      80.19730 AT (  532551.36,
4256205.17,   109.00,   832.00,    1.80)  DC
          4TH HIGHEST VALUE IS      76.45317 AT (  532567.51,
4256226.30,   108.64,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS      73.80845 AT (  532509.17,
4256223.67,   108.33,   832.00,    1.80)  DC
          6TH HIGHEST VALUE IS      71.29426 AT (  532577.87,
4256251.57,   108.30,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS      68.92187 AT (  532492.71,
4256241.32,   107.51,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS      66.69552 AT (  532524.44,
4256235.64,   107.08,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS      62.58175 AT (  532478.35,
4256259.28,   105.72,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS      59.18049 AT (  532544.49,
4256258.08,   106.97,   832.00,    1.80)  DC

ALL       1ST HIGHEST VALUE IS      95.91106 AT (  532513.25,
4256183.63,   110.37,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS      86.98295 AT (  532534.79,
4256190.67,   109.33,   832.00,    1.80)  DC
          3RD HIGHEST VALUE IS      80.19739 AT (  532551.36,
4256205.17,   109.00,   832.00,    1.80)  DC
          4TH HIGHEST VALUE IS      76.45330 AT (  532567.51,
4256226.30,   108.64,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS      73.80855 AT (  532509.17,
4256223.67,   108.33,   832.00,    1.80)  DC
          6TH HIGHEST VALUE IS      71.29442 AT (  532577.87,
4256251.57,   108.30,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS      68.92196 AT (  532492.71,
4256241.32,   107.51,   832.00,    1.80)  DC
```

```
          8TH HIGHEST VALUE IS      66.69563 AT (  532524.44,
4256235.64,   107.08,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS      62.58185 AT (  532478.35,
4256259.28,   105.72,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS      59.18064 AT (  532544.49,
4256258.08,   106.97,   832.00,    1.80)  DC


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

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/27/17
 *** AERMET - VERSION  14134 ***   ***
***        10:54:50

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of        18866 Informational Message(s)

 A Total of        43872 Hours Were Processed

 A Total of        16971 Calm Hours Identified

 A Total of         1895 Missing Hours Identified (  4.32 Percent)


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


    ********   WARNING MESSAGES   ********
 MX W481   43873         MAIN: Data Remaining After End of Year.
Number of Hours=           48

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 9/23/2017
** File: F:\WORK\2498.0008 Elnoka Village HRA\Elnoka Phase II\Elnoka
Phase II.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\xli\Desktop\Elnoka Vilage HRA\Elnoka Vilage
HRA.isc
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 10000000
   POLLUTID DPM
   FLAGPOLE 1.80
   RUNORNOT RUN
   ERRORFIL "Elnoka Phase II.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ---------------------------------------------------------------------
--
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0001
** Elevated
** Vertical Dimension = 6.22
** SZINIT = 1.45
** Nodes = 2
** 532799.237, 4256272.551, 110.05, 3.11, 6.51
```

```
** 532268.849, 4256587.470, 103.24, 3.11, 6.51
** ----------------------------------------------------------------
--
   LOCATION L0000001     VOLUME   532793.218 4256276.124 109.99
   LOCATION L0000002     VOLUME   532781.180 4256283.272 109.82
   LOCATION L0000003     VOLUME   532769.142 4256290.420 109.84
   LOCATION L0000004     VOLUME   532757.104 4256297.567 109.79
   LOCATION L0000005     VOLUME   532745.066 4256304.715 109.55
   LOCATION L0000006     VOLUME   532733.028 4256311.862 109.50
   LOCATION L0000007     VOLUME   532720.990 4256319.010 109.43
   LOCATION L0000008     VOLUME   532708.952 4256326.157 109.17
   LOCATION L0000009     VOLUME   532696.914 4256333.305 109.23
   LOCATION L0000010     VOLUME   532684.876 4256340.453 109.47
   LOCATION L0000011     VOLUME   532672.838 4256347.600 109.68
   LOCATION L0000012     VOLUME   532660.800 4256354.748 109.54
   LOCATION L0000013     VOLUME   532648.762 4256361.895 109.17
   LOCATION L0000014     VOLUME   532636.724 4256369.043 109.00
   LOCATION L0000015     VOLUME   532624.687 4256376.191 109.00
   LOCATION L0000016     VOLUME   532612.649 4256383.338 108.97
   LOCATION L0000017     VOLUME   532600.611 4256390.486 108.56
   LOCATION L0000018     VOLUME   532588.573 4256397.633 108.16
   LOCATION L0000019     VOLUME   532576.535 4256404.781 107.43
   LOCATION L0000020     VOLUME   532564.497 4256411.928 106.63
   LOCATION L0000021     VOLUME   532552.459 4256419.076 106.01
   LOCATION L0000022     VOLUME   532540.421 4256426.224 105.59
   LOCATION L0000023     VOLUME   532528.383 4256433.371 105.35
   LOCATION L0000024     VOLUME   532516.345 4256440.519 105.41
   LOCATION L0000025     VOLUME   532504.307 4256447.666 105.40
   LOCATION L0000026     VOLUME   532492.269 4256454.814 105.27
   LOCATION L0000027     VOLUME   532480.231 4256461.961 105.29
   LOCATION L0000028     VOLUME   532468.193 4256469.109 105.11
   LOCATION L0000029     VOLUME   532456.155 4256476.257 105.00
   LOCATION L0000030     VOLUME   532444.117 4256483.404 105.08
   LOCATION L0000031     VOLUME   532432.079 4256490.552 104.97
   LOCATION L0000032     VOLUME   532420.041 4256497.699 104.87
   LOCATION L0000033     VOLUME   532408.004 4256504.847 104.95
   LOCATION L0000034     VOLUME   532395.966 4256511.994 104.79
   LOCATION L0000035     VOLUME   532383.928 4256519.142 104.62
   LOCATION L0000036     VOLUME   532371.890 4256526.290 104.62
   LOCATION L0000037     VOLUME   532359.852 4256533.437 104.49
   LOCATION L0000038     VOLUME   532347.814 4256540.585 104.26
   LOCATION L0000039     VOLUME   532335.776 4256547.732 104.28
   LOCATION L0000040     VOLUME   532323.738 4256554.880 104.21
   LOCATION L0000041     VOLUME   532311.700 4256562.028 104.00
   LOCATION L0000042     VOLUME   532299.662 4256569.175 103.96
   LOCATION L0000043     VOLUME   532287.624 4256576.323 103.71
   LOCATION L0000044     VOLUME   532275.586 4256583.470 103.32
** End of LINE VOLUME Source ID = SLINE1
   LOCATION PAREA1       AREAPOLY   532655.292  4256341.510
109.190
** DESCRSRC Phase II area
** Source Parameters **
```

```
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000002     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000003     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000004     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000005     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000006     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000007     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000008     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000009     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000010     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000011     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000012     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000013     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000014     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000015     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000016     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000017     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000018     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000019     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000020     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000021     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000022     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000023     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000024     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000025     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000026     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000027     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000028     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000029     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000030     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000031     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000032     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000033     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000034     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000035     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000036     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000037     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000038     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000039     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000040     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000041     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000042     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000043     0.000002273      3.11      6.51      1.45
   SRCPARAM L0000044     0.000002273      3.11      6.51      1.45
** ------------------------------------------------------------------
--
   SRCPARAM PAREA1          0.0001     5.000         4
   AREAVERT PAREA1       532655.292 4256341.510 532895.700 4256203.984
   AREAVERT PAREA1       532784.420 4255992.971 532534.563 4256159.892
   URBANSRC L0000001
   URBANSRC L0000002
```

```
   URBANSRC L0000003
   URBANSRC L0000004
   URBANSRC L0000005
   URBANSRC L0000006
   URBANSRC L0000007
   URBANSRC L0000008
   URBANSRC L0000009
   URBANSRC L0000010
   URBANSRC L0000011
   URBANSRC L0000012
   URBANSRC L0000013
   URBANSRC L0000014
   URBANSRC L0000015
   URBANSRC L0000016
   URBANSRC L0000017
   URBANSRC L0000018
   URBANSRC L0000019
   URBANSRC L0000020
   URBANSRC L0000021
   URBANSRC L0000022
   URBANSRC L0000023
   URBANSRC L0000024
   URBANSRC L0000025
   URBANSRC L0000026
   URBANSRC L0000027
   URBANSRC L0000028
   URBANSRC L0000029
   URBANSRC L0000030
   URBANSRC L0000031
   URBANSRC L0000032
   URBANSRC L0000033
   URBANSRC L0000034
   URBANSRC L0000035
   URBANSRC L0000036
   URBANSRC L0000037
   URBANSRC L0000038
   URBANSRC L0000039
   URBANSRC L0000040
   URBANSRC L0000041
   URBANSRC L0000042
   URBANSRC L0000043
   URBANSRC L0000044
   URBANSRC PAREA1

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 2"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000002     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000013     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000014     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000015     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000015     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000017     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000020     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000021     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000026     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000027     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000039     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000040     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000041     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000042     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000043     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000043     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000044     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000035     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000037     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000044     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA1       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA1       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Line      L0000001 L0000002 L0000003 L0000004 L0000005
L0000006
   SRCGROUP Line      L0000007 L0000008 L0000009 L0000010 L0000011
L0000012
   SRCGROUP Line      L0000013 L0000014 L0000015 L0000016 L0000017
L0000018
   SRCGROUP Line      L0000019 L0000020 L0000021 L0000022 L0000023
L0000024
   SRCGROUP Line      L0000025 L0000026 L0000027 L0000028 L0000029
L0000030
   SRCGROUP Line      L0000031 L0000032 L0000033 L0000034 L0000035
L0000036
   SRCGROUP Line      L0000037 L0000038 L0000039 L0000040 L0000041
L0000042
   SRCGROUP Line      L0000043 L0000044
   SRCGROUP area      PAREA1
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Elnoka Phase II.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
```

```
**
ME STARTING
   SURFFILE ..\724957\724957.SFC
   PROFFILE ..\724957\724957.PFL
   SURFDATA 23213 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 34.8 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "ELNOKA PHASE II.AD\AN00GALL.PLT" 31
   PLOTFILE ANNUAL Line "ELNOKA PHASE II.AD\AN00G001.PLT" 32
   PLOTFILE ANNUAL area "ELNOKA PHASE II.AD\AN00G002.PLT" 33
   SUMMFILE "Elnoka Phase II.sum"
OU FINISHED

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


 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                                                ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

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

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

 **Model Uses URBAN Dispersion Algorithm for the SBL for    45
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =  10000000.0 ;  Urban Roughness Length =  1.000 m
```

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

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

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:     45 Source(s);       3 Source Group(s); and
87 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     44 VOLUME source(s)
                and:      1 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with      0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  14134

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

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

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

*** VOLUME SOURCE
DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0000001	0	0.22730E-05	532793.2	4256276.1	110.0	3.11	6.51	1.45	YES	HRDOW
L0000002	0	0.22730E-05	532781.2	4256283.3	109.8	3.11	6.51	1.45	YES	HRDOW
L0000003	0	0.22730E-05	532769.1	4256290.4	109.8	3.11	6.51	1.45	YES	HRDOW
L0000004	0	0.22730E-05	532757.1	4256297.6	109.8	3.11	6.51	1.45	YES	HRDOW
L0000005	0	0.22730E-05	532745.1	4256304.7	109.5	3.11	6.51	1.45	YES	HRDOW
L0000006	0	0.22730E-05	532733.0	4256311.9	109.5	3.11	6.51	1.45	YES	HRDOW
L0000007	0	0.22730E-05	532721.0	4256319.0	109.4	3.11	6.51	1.45	YES	HRDOW
L0000008	0	0.22730E-05	532709.0	4256326.2	109.2	3.11	6.51	1.45	YES	HRDOW
L0000009	0	0.22730E-05	532696.9	4256333.3	109.2	3.11	6.51	1.45	YES	HRDOW
L0000010	0	0.22730E-05	532684.9	4256340.5	109.5	3.11	6.51	1.45	YES	HRDOW

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 L0000011          0   0.22730E-05  532672.8 4256347.6   109.7     3.11
6.51     1.45     YES   HRDOW
 L0000012          0   0.22730E-05  532660.8 4256354.7   109.5     3.11
6.51     1.45     YES   HRDOW
 L0000013          0   0.22730E-05  532648.8 4256361.9   109.2     3.11
6.51     1.45     YES   HRDOW
 L0000014          0   0.22730E-05  532636.7 4256369.0   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000015          0   0.22730E-05  532624.7 4256376.2   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000016          0   0.22730E-05  532612.6 4256383.3   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000017          0   0.22730E-05  532600.6 4256390.5   108.6     3.11
6.51     1.45     YES   HRDOW
 L0000018          0   0.22730E-05  532588.6 4256397.6   108.2     3.11
6.51     1.45     YES   HRDOW
 L0000019          0   0.22730E-05  532576.5 4256404.8   107.4     3.11
6.51     1.45     YES   HRDOW
 L0000020          0   0.22730E-05  532564.5 4256411.9   106.6     3.11
6.51     1.45     YES   HRDOW
 L0000021          0   0.22730E-05  532552.5 4256419.1   106.0     3.11
6.51     1.45     YES   HRDOW
 L0000022          0   0.22730E-05  532540.4 4256426.2   105.6     3.11
6.51     1.45     YES   HRDOW
 L0000023          0   0.22730E-05  532528.4 4256433.4   105.3     3.11
6.51     1.45     YES   HRDOW
 L0000024          0   0.22730E-05  532516.3 4256440.5   105.4     3.11
6.51     1.45     YES   HRDOW
 L0000025          0   0.22730E-05  532504.3 4256447.7   105.4     3.11
6.51     1.45     YES   HRDOW
 L0000026          0   0.22730E-05  532492.3 4256454.8   105.3     3.11
6.51     1.45     YES   HRDOW
 L0000027          0   0.22730E-05  532480.2 4256462.0   105.3     3.11
6.51     1.45     YES   HRDOW
 L0000028          0   0.22730E-05  532468.2 4256469.1   105.1     3.11
6.51     1.45     YES   HRDOW
 L0000029          0   0.22730E-05  532456.2 4256476.3   105.0     3.11
6.51     1.45     YES   HRDOW
 L0000030          0   0.22730E-05  532444.1 4256483.4   105.1     3.11
6.51     1.45     YES   HRDOW
 L0000031          0   0.22730E-05  532432.1 4256490.6   105.0     3.11
6.51     1.45     YES   HRDOW
 L0000032          0   0.22730E-05  532420.0 4256497.7   104.9     3.11
6.51     1.45     YES   HRDOW
 L0000033          0   0.22730E-05  532408.0 4256504.8   105.0     3.11
6.51     1.45     YES   HRDOW
 L0000034          0   0.22730E-05  532396.0 4256512.0   104.8     3.11
6.51     1.45     YES   HRDOW
 L0000035          0   0.22730E-05  532383.9 4256519.1   104.6     3.11
6.51     1.45     YES   HRDOW
 L0000036          0   0.22730E-05  532371.9 4256526.3   104.6     3.11
6.51     1.45     YES   HRDOW
```

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 L0000037         0   0.22730E-05  532359.9 4256533.4   104.5     3.11
6.51     1.45     YES   HRDOW
 L0000038         0   0.22730E-05  532347.8 4256540.6   104.3     3.11
6.51     1.45     YES   HRDOW
 L0000039         0   0.22730E-05  532335.8 4256547.7   104.3     3.11
6.51     1.45     YES   HRDOW
 L0000040         0   0.22730E-05  532323.7 4256554.9   104.2     3.11
6.51     1.45     YES   HRDOW
```



```
                                                      *** VOLUME SOURCE
DATA ***

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

 L0000041         0   0.22730E-05  532311.7 4256562.0   104.0     3.11
6.51     1.45     YES   HRDOW
 L0000042         0   0.22730E-05  532299.7 4256569.2   104.0     3.11
6.51     1.45     YES   HRDOW
 L0000043         0   0.22730E-05  532287.6 4256576.3   103.7     3.11
6.51     1.45     YES   HRDOW
 L0000044         0   0.22730E-05  532275.6 4256583.5   103.3     3.11
6.51     1.45     YES   HRDOW
```



```
                                                    *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 PAREA1           0   0.10000E-03  532655.3 4256341.5   109.2     5.00
4         0.00     YES   HRDOW

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN


                                          *** SOURCE IDs DEFINING
SOURCE GROUPS ***

 SRCGROUP ID                                              SOURCE IDs
 -----------                                              ----------


  LINE       L0000001    , L0000002    , L0000003    , L0000004    ,
L0000005    , L0000006    , L0000007    , L0000008    ,

             L0000009    , L0000010    , L0000011    , L0000012    ,
L0000013    , L0000014    , L0000015    , L0000016    ,

             L0000017    , L0000018    , L0000019    , L0000020    ,
L0000021    , L0000022    , L0000023    , L0000024    ,

             L0000025    , L0000026    , L0000027    , L0000028    ,
L0000029    , L0000030    , L0000031    , L0000032    ,

             L0000033    , L0000034    , L0000035    , L0000036    ,
L0000037    , L0000038    , L0000039    , L0000040    ,

             L0000041    , L0000042    , L0000043    , L0000044    ,

  AREA       PAREA1      ,

  ALL        L0000001    , L0000002    , L0000003    , L0000004    ,
L0000005    , L0000006    , L0000007    , L0000008    ,

             L0000009    , L0000010    , L0000011    , L0000012    ,
L0000013    , L0000014    , L0000015    , L0000016    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

URBAN ID	URBAN POP	SOURCE IDs
10000000.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,	
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,	
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,	
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,	
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,	
	L0000041 , L0000042 , L0000043 , L0000044 , PAREA1 ,	

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000001   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/23/17
 *** AERMET - VERSION 14134 ***   ***
***   21:40:22

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000002   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000003     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000004     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000005 ; SOURCE TYPE = VOLUME :

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

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :

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

- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000007     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000008   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000009     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000010     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000011     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000012 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000013 ; SOURCE TYPE = VOLUME :

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

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000014     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000015   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000016   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/23/17
 *** AERMET - VERSION 14134 ***   ***
***   21:40:22

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000017   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  24
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000018     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000019     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000022     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000023   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000024     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  31
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000025     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000026     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000027 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000028 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000029     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000030     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000031   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/23/17
 *** AERMET - VERSION 14134 ***   ***
***   21:40:22

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000032   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000033     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000034     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000035 ; 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = L0000036 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000037     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000038     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *
```

```
 SOURCE ID = L0000039     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000040     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000041     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000042 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000043 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000044     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = PAREA1       ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** DISCRETE CARTESIAN RECEPTORS ***

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

(METERS)

(532862.3, 4256047.7, 114.9, 832.0, 1.8);
(532839.6, 4256029.5, 115.4, 832.0, 1.8);
(532820.5, 4255995.9, 115.0, 832.0, 1.8);
(532825.9, 4255944.0, 117.6, 832.0, 1.8);
(532789.5, 4255936.8, 118.3, 832.0, 1.8);
(532768.6, 4255908.6, 120.9, 832.0, 1.8);
(532752.2, 4255856.7, 121.8, 832.0, 1.8);
(532785.0, 4255815.8, 121.3, 832.0, 1.8);
(532752.4, 4255882.8, 121.7, 832.0, 1.8);
(532771.1, 4255831.7, 121.4, 832.0, 1.8);
(532801.4, 4255883.3, 120.9, 832.0, 1.8);
(532815.7, 4255858.5, 121.4, 832.0, 1.8);
(532829.7, 4255901.7, 120.2, 832.0, 1.8);
(532846.6, 4255878.4, 120.9, 832.0, 1.8);
(532864.7, 4255855.9, 121.2, 832.0, 1.8);
(532838.1, 4255838.7, 121.9, 832.0, 1.8);
(532866.4, 4255959.3, 119.1, 832.0, 1.8);
(532871.7, 4255990.0, 118.4, 832.0, 1.8);
(532871.7, 4255933.9, 120.2, 832.0, 1.8);
(532882.2, 4255912.9, 120.9, 832.0, 1.8);
(532899.1, 4255889.1, 123.0, 832.0, 1.8);
(532916.9, 4255986.0, 122.6, 832.0, 1.8);
(532930.2, 4255965.0, 124.7, 832.0, 1.8);
(532916.5, 4255866.5, 125.5, 832.0, 1.8);
(532930.2, 4255846.0, 127.8, 832.0, 1.8);
(532944.7, 4255936.0, 127.1, 832.0, 1.8);
(532958.4, 4255906.1, 130.5, 832.0, 1.8);
(532970.9, 4255886.3, 133.6, 832.0, 1.8);
(532946.3, 4255819.7, 130.3, 832.0, 1.8);
(532991.1, 4255858.5, 135.6, 832.0, 1.8);
(533010.9, 4255843.1, 137.3, 832.0, 1.8);
(532884.6, 4255809.2, 129.3, 832.0, 1.8);
(532851.9, 4255793.5, 129.9, 832.0, 1.8);
(532824.1, 4255791.5, 123.6, 832.0, 1.8);
(533034.3, 4255820.9, 140.4, 832.0, 1.8);
(533054.5, 4255804.4, 143.8, 832.0, 1.8);
(532909.2, 4256052.6, 115.4, 832.0, 1.8);
(532944.7, 4256040.1, 118.3, 832.0, 1.8);
(532966.5, 4256021.1, 120.8, 832.0, 1.8);
(532998.0, 4256021.9, 119.5, 832.0, 1.8);
(532950.4, 4256084.8, 111.4, 832.0, 1.8);
(532990.7, 4256062.2, 114.4, 832.0, 1.8);

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     ( 533036.7, 4256020.3,     120.7,     832.0,       1.8);
( 533057.7, 4256017.1,     121.5,     832.0,       1.8);
     ( 533019.0, 4255976.7,     125.0,     832.0,       1.8);
( 533047.6, 4255967.0,     127.4,     832.0,       1.8);
     ( 532985.5, 4255968.2,     126.3,     832.0,       1.8);
( 533002.0, 4255941.6,     130.9,     832.0,       1.8);
     ( 533019.8, 4255916.6,     135.1,     832.0,       1.8);
( 533030.3, 4255896.0,     137.5,     832.0,       1.8);
     ( 533059.7, 4255876.2,     140.8,     832.0,       1.8);
( 533068.2, 4255956.1,     129.1,     832.0,       1.8);
     ( 533085.6, 4256006.6,     121.3,     832.0,       1.8);
( 533113.8, 4255991.2,     121.1,     832.0,       1.8);
     ( 533090.8, 4255942.8,     129.3,     832.0,       1.8);
( 533138.0, 4255979.9,     121.1,     832.0,       1.8);
     ( 533115.0, 4255927.1,     130.1,     832.0,       1.8);
( 533156.2, 4255967.0,     122.0,     832.0,       1.8);
     ( 533137.2, 4255912.1,     131.6,     832.0,       1.8);
( 532524.4, 4256235.6,     107.1,     832.0,       1.8);
     ( 532509.2, 4256223.7,     108.3,     832.0,       1.8);
( 532492.7, 4256241.3,     107.5,     832.0,       1.8);
     ( 532478.4, 4256259.3,     105.7,     832.0,       1.8);
( 532464.3, 4256274.2,     104.7,     832.0,       1.8);
     ( 532544.5, 4256258.1,     107.0,     832.0,       1.8);
( 532451.7, 4256294.9,     103.6,     832.0,       1.8);
     ( 532437.7, 4256313.8,     103.1,     832.0,       1.8);
( 532389.8, 4256310.8,     102.3,     832.0,       1.8);
     ( 532404.8, 4256293.0,     102.1,     832.0,       1.8);
( 532175.2, 4256196.1,     105.1,     832.0,       1.8);
     ( 532165.3, 4256184.9,     104.7,     832.0,       1.8);
( 532120.6, 4256157.1,     100.6,     832.0,       1.8);
     ( 532513.2, 4256183.6,     110.4,     832.0,       1.8);
( 532534.8, 4256190.7,     109.3,     832.0,       1.8);
     ( 532551.4, 4256205.2,     109.0,     832.0,       1.8);
( 532567.5, 4256226.3,     108.6,     832.0,       1.8);
     ( 532577.9, 4256251.6,     108.3,     832.0,       1.8);
( 532423.8, 4256334.4,     103.0,     832.0,       1.8);
     ( 532306.1, 4256321.2,     100.8,     832.0,       1.8);
( 532332.6, 4256344.4,     101.0,     832.0,       1.8);
     ( 532365.8, 4256346.4,     101.7,     832.0,       1.8);
( 532374.9, 4256332.3,     102.0,     832.0,       1.8);
     ( 532393.1, 4256371.3,     102.8,     832.0,       1.8);
( 532404.7, 4256354.7,     103.0,     832.0,       1.8);
     ( 532556.3, 4256278.1,     106.7,     832.0,       1.8);
( 532219.5, 4255941.4,     101.1,     832.0,       1.8);
     ( 532133.5, 4256010.2,      99.6,     832.0,       1.8);

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22
```

*** 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,

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

```
   Surface file:   ..\724957\724957.SFC
Met Version:  14134
   Profile file:   ..\724957\724957.PFL
   Surface format: FREE
   Profile format: FREE
```

Surface station no.: 23213 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	279.9	2.0
09	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	279.2	2.0
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	279.9	2.0
09	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	0.42	0.00	0.	10.0	280.9	2.0
09	01	01	1	10	17.5	-9.000	-9.000	-9.000	157.	-999.	-99999.0	0.03	0.74	0.29	0.00	0.	10.0	282.0	2.0
09	01	01	1	11	32.5	-9.000	-9.000	-9.000	263.	-999.	-99999.0	0.03	0.74	0.24	0.00	0.	10.0	283.1	2.0
09	01	01	1	12	82.0	-9.000	-9.000	-9.000	426.	-999.	-99999.0	0.03	0.74	0.22	0.00	0.	10.0	284.9	2.0
09	01	01	1	13	87.8	0.208	1.039	0.016	462.	228.	-9.3	0.03	0.74	0.22	2.36	999.	10.0	285.9	2.0
09	01	01	1	14	74.7	0.288	1.001	0.015	485.	371.	-28.9	0.05	0.74	0.23	3.36	159.	10.0	285.4	2.0
09	01	01	1	15	49.4	0.351	0.880	0.015	499.	499.	-79.2	0.05	0.74	0.26	4.36	162.	10.0	283.8	2.0
09	01	01	1	16	12.7	0.265	0.561	0.015	502.	331.	-132.2	0.05	0.74	0.34	3.36	164.	10.0	282.5	2.0
09	01	01	1	17	-7.2	0.089	-9.000	-9.000	-999.	102.	8.8	0.05	0.74	0.57	2.36	171.	10.0	281.4	2.0
09	01	01	1	18	-8.3	0.089	-9.000	-9.000	-999.	64.	7.7	0.05	0.74	1.00	2.36	177.	10.0	279.9	2.0
09	01	01	1	19	-4.3	0.066	-9.000	-9.000	-999.	41.	6.1	0.05	0.74	1.00	1.76	164.	10.0	278.8	2.0
09	01	01	1	20	-10.5	0.183	-9.000	-9.000	-999.	188.	52.9	0.05	0.74	1.00	2.86	127.	10.0	278.8	2.0

```
 09 01 01   1 21   -7.6  0.133 -9.000 -9.000 -999.  117.     27.9
0.05   0.74   1.00    2.36  120.   10.0  278.8    2.0
 09 01 01   1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  278.8    2.0
 09 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.2    2.0
 09 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.2    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 01 01   10.0 1 -999.  -99.00   279.9   99.0  -99.00  -99.00

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

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  55
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

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

                                          *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)        CONC                        X-
COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532862.29    4256047.72        0.00005
532839.56    4256029.53        0.00005
         532820.46    4255995.88        0.00004
532825.92    4255944.04        0.00003
         532789.54    4255936.77        0.00003
532768.62    4255908.57        0.00003
```

```
         532752.25    4255856.74         0.00002
532784.99    4255815.81         0.00002
         532752.41    4255882.75         0.00002
532771.07    4255831.73         0.00002
         532801.39    4255883.33         0.00002
532815.67    4255858.55         0.00002
         532829.67    4255901.70         0.00003
532846.58    4255878.38         0.00002
         532864.66    4255855.93         0.00002
532838.12    4255838.72         0.00002
         532866.42    4255959.35         0.00003
532871.67    4255990.02         0.00004
         532871.67    4255933.93         0.00003
532882.16    4255912.94         0.00003
         532899.11    4255889.13         0.00002
532916.87    4255985.98         0.00003
         532930.18    4255965.00         0.00003
532916.46    4255866.54         0.00002
         532930.18    4255845.95         0.00002
532944.71    4255935.95         0.00002
         532958.43    4255906.08         0.00002
532970.94    4255886.31         0.00002
         532946.32    4255819.72         0.00002
532991.12    4255858.46         0.00002
         533010.89    4255843.13         0.00001
532884.58    4255809.23         0.00002
         532851.89    4255793.49         0.00002
532824.05    4255791.48         0.00002
         533034.30    4255820.94         0.00001
533054.47    4255804.39         0.00001
         532909.20    4256052.57         0.00004
532944.71    4256040.06         0.00003
         532966.50    4256021.09         0.00003
532997.98    4256021.90         0.00002
         532950.36    4256084.85         0.00004
532990.71    4256062.25         0.00003
         533036.72    4256020.29         0.00002
533057.70    4256017.06         0.00002
         533018.96    4255976.70         0.00002
533047.61    4255967.02         0.00002
         532985.47    4255968.23         0.00002
533002.01    4255941.59         0.00002
         533019.77    4255916.58         0.00002
533030.26    4255895.99         0.00001
         533059.72    4255876.22         0.00001
533068.19    4255956.12         0.00001
         533085.55    4256006.57         0.00001
533113.79    4255991.23         0.00001
         533090.79    4255942.81         0.00001
533138.01    4255979.93         0.00001
         533115.01    4255927.07         0.00001
533156.17    4255967.02         0.00001
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         533137.20    4255912.14        0.00001
532524.44    4256235.64        0.00010
         532509.17    4256223.67        0.00009
532492.71    4256241.32        0.00009
         532478.35    4256259.28        0.00010
532464.28    4256274.25        0.00010
         532544.49    4256258.08        0.00014
532451.71    4256294.90        0.00012
         532437.65    4256313.75        0.00013
532389.76    4256310.76        0.00009
         532404.75    4256293.03        0.00009
532175.23    4256196.06        0.00001
         532165.28    4256184.87        0.00001
532120.55    4256157.12        0.00001
         532513.25    4256183.63        0.00007
532534.79    4256190.67        0.00008
         532551.36    4256205.17        0.00009
532567.51    4256226.30        0.00012
         532577.87    4256251.57        0.00016
532423.77    4256334.42        0.00014
         532306.13    4256321.16        0.00005
532332.64    4256344.36        0.00008

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

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

                                          *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

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

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: AREA ***
INCLUDING SOURCE(S):
PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532365.78	4256346.43	0.00010	532374.89	4256332.34	0.00010
532393.12	4256371.28	0.00016	532404.72	4256354.71	0.00015
532556.33	4256278.08	0.00018	532219.49	4255941.37	0.00001
532133.49	4256010.18	0.00001			

532862.29	4256047.72	18.53856	532839.56	4256029.53	20.47499
532820.46	4255995.88	18.62645	532825.92	4255944.04	10.87621
532789.54	4255936.77	10.22907	532768.62	4255908.57	6.92627
532752.25	4255856.74	4.26851	532784.99	4255815.81	3.69499
532752.41	4255882.75	5.16808	532771.07	4255831.73	3.90833
532801.39	4255883.33	6.20300	532815.67	4255858.55	5.23923
532829.67	4255901.70	7.32225	532846.58	4255878.38	6.01391
532864.66	4255855.93	5.07229	532838.12	4255838.72	4.63224
532866.42	4255959.35	9.41197	532871.67	4255990.02	10.73260
532871.67	4255933.93	7.80978	532882.16	4255912.94	6.57446

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         532899.11    4255889.13        5.27453
532916.87    4255985.98        6.76764
         532930.18    4255965.00        5.56481
532916.46    4255866.54        4.31870
         532930.18    4255845.95        3.67862
532944.71    4255935.95        4.52295
         532958.43    4255906.08        3.71624
532970.94    4255886.31        3.20055
         532946.32    4255819.72        3.07688
532991.12    4255858.46        2.66712
         533010.89    4255843.13        2.31288
532884.58    4255809.23        3.47061
         532851.89    4255793.49        3.23954
532824.05    4255791.48        3.37831
         533034.30    4255820.94        1.94361
533054.47    4255804.39        1.68747
         532909.20    4256052.57       10.92852
532944.71    4256040.06        6.69087
         532966.50    4256021.09        4.95491
532997.98    4256021.90        3.80326
         532950.36    4256084.85        8.19590
532990.71    4256062.25        4.65780
         533036.72    4256020.29        2.68599
533057.70    4256017.06        2.25263
         533018.96    4255976.70        2.86684
533047.61    4255967.02        2.24503
         532985.47    4255968.23        3.61029
533002.01    4255941.59        2.94802
         533019.77    4255916.58        2.45548
533030.26    4255895.99        2.21511
         533059.72    4255876.22        1.79106
533068.19    4255956.12        1.90918
         533085.55    4256006.57        1.83908
533113.79    4255991.23        1.52573
         533090.79    4255942.81        1.64509
533138.01    4255979.93        1.31388
         533115.01    4255927.07        1.41112
533156.17    4255967.02        1.17320
         533137.20    4255912.14        1.22955
532524.44    4256235.64       14.05967
         532509.17    4256223.67        9.06178
532492.71    4256241.32        6.79059
         532478.35    4256259.28        5.49637
532464.28    4256274.25        4.57522
         532544.49    4256258.08       21.41621
532451.71    4256294.90        4.06495
         532437.65    4256313.75        3.56226
532389.76    4256310.76        1.94798
         532404.75    4256293.03        2.13456
532175.23    4256196.06        0.25674
         532165.28    4256184.87        0.23795
532120.55    4256157.12        0.18246
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         532513.25    4256183.63        6.28355
532534.79    4256190.67       16.58418
         532551.36    4256205.17       30.96611
532567.51    4256226.30       42.70162
         532577.87    4256251.57       45.95827
532423.77    4256334.42        3.18767
         532306.13    4256321.16        0.89738
532332.64    4256344.36        1.24842

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  58
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: AREA     ***
                                INCLUDING SOURCE(S):
PAREA1      ,

                                          *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)        CONC                        X-
COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532365.78    4256346.43        1.73794
532374.89    4256332.34        1.81189
         532393.12    4256371.28        2.49739
532404.72    4256354.71        2.70997
         532556.33    4256278.08       24.69681
532219.49    4255941.37        0.20735
         532133.49    4256010.18        0.14609

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: ALL      ***
                                INCLUDING SOURCE(S):
L0000001    , L0000002    , L0000003    , L0000004    , L0000005    ,
```

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

                                                *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)        CONC                        X-
COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532862.29    4256047.72       18.53861
532839.56    4256029.53       20.47504
         532820.46    4255995.88       18.62649
532825.92    4255944.04       10.87625
         532789.54    4255936.77       10.22910
532768.62    4255908.57        6.92629
         532752.25    4255856.74        4.26853
532784.99    4255815.81        3.69500
         532752.41    4255882.75        5.16810
532771.07    4255831.73        3.90835
         532801.39    4255883.33        6.20303
532815.67    4255858.55        5.23925
         532829.67    4255901.70        7.32228
532846.58    4255878.38        6.01394
         532864.66    4255855.93        5.07231
532838.12    4255838.72        4.63226
         532866.42    4255959.35        9.41200
532871.67    4255990.02       10.73264
         532871.67    4255933.93        7.80981
532882.16    4255912.94        6.57449
         532899.11    4255889.13        5.27455
532916.87    4255985.98        6.76767
         532930.18    4255965.00        5.56483
532916.46    4255866.54        4.31872
         532930.18    4255845.95        3.67863
532944.71    4255935.95        4.52297
         532958.43    4255906.08        3.71626
532970.94    4255886.31        3.20057
         532946.32    4255819.72        3.07690
532991.12    4255858.46        2.66714
         533010.89    4255843.13        2.31290
532884.58    4255809.23        3.47063
         532851.89    4255793.49        3.23956
532824.05    4255791.48        3.37833
```

```
         533034.30    4255820.94        1.94362
533054.47    4255804.39        1.68749
         532909.20    4256052.57       10.92856
532944.71    4256040.06        6.69090
         532966.50    4256021.09        4.95494
532997.98    4256021.90        3.80328
         532950.36    4256084.85        8.19594
532990.71    4256062.25        4.65783
         533036.72    4256020.29        2.68600
533057.70    4256017.06        2.25265
         533018.96    4255976.70        2.86685
533047.61    4255967.02        2.24505
         532985.47    4255968.23        3.61031
533002.01    4255941.59        2.94804
         533019.77    4255916.58        2.45549
533030.26    4255895.99        2.21513
         533059.72    4255876.22        1.79107
533068.19    4255956.12        1.90920
         533085.55    4256006.57        1.83910
533113.79    4255991.23        1.52575
         533090.79    4255942.81        1.64510
533138.01    4255979.93        1.31389
         533115.01    4255927.07        1.41113
533156.17    4255967.02        1.17321
         533137.20    4255912.14        1.22956
532524.44    4256235.64       14.05978
         532509.17    4256223.67        9.06186
532492.71    4256241.32        6.79069
         532478.35    4256259.28        5.49647
532464.28    4256274.25        4.57533
         532544.49    4256258.08       21.41635
532451.71    4256294.90        4.06506
         532437.65    4256313.75        3.56238
532389.76    4256310.76        1.94807
         532404.75    4256293.03        2.13464
532175.23    4256196.06        0.25675
         532165.28    4256184.87        0.23796
532120.55    4256157.12        0.18247
         532513.25    4256183.63        6.28362
532534.79    4256190.67       16.58425
         532551.36    4256205.17       30.96620
532567.51    4256226.30       42.70174
         532577.87    4256251.57       45.95843
532423.77    4256334.42        3.18781
         532306.13    4256321.16        0.89744
532332.64    4256344.36        1.24849

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
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 *** AERMET - VERSION  14134 ***   ***
***        21:40:22
```

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532365.78	4256346.43	1.73804	532374.89	4256332.34	1.81199
532393.12	4256371.28	2.49754	532404.72	4256354.71	2.71012
532556.33	4256278.08	24.69700	532219.49	4255941.37	0.20736
532133.49	4256010.18	0.14610			

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

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

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

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

LINE      1ST HIGHEST VALUE IS      0.00018 AT (  532556.33,
4256278.08,   106.73,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS      0.00016 AT (  532393.12,
4256371.28,   102.82,   832.00,    1.80)  DC
          3RD HIGHEST VALUE IS      0.00016 AT (  532577.87,
4256251.57,   108.30,   832.00,    1.80)  DC
          4TH HIGHEST VALUE IS      0.00015 AT (  532404.72,
4256354.71,   103.00,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS      0.00014 AT (  532544.49,
4256258.08,   106.97,   832.00,    1.80)  DC
          6TH HIGHEST VALUE IS      0.00014 AT (  532423.77,
4256334.42,   103.00,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS      0.00013 AT (  532437.65,
4256313.75,   103.06,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS      0.00012 AT (  532567.51,
4256226.30,   108.64,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS      0.00012 AT (  532451.71,
4256294.90,   103.65,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS      0.00010 AT (  532464.28,
4256274.25,   104.74,   832.00,    1.80)  DC

AREA      1ST HIGHEST VALUE IS     45.95827 AT (  532577.87,
4256251.57,   108.30,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS     42.70162 AT (  532567.51,
4256226.30,   108.64,   832.00,    1.80)  DC
          3RD HIGHEST VALUE IS     30.96611 AT (  532551.36,
4256205.17,   109.00,   832.00,    1.80)  DC
          4TH HIGHEST VALUE IS     24.69681 AT (  532556.33,
4256278.08,   106.73,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS     21.41621 AT (  532544.49,
4256258.08,   106.97,   832.00,    1.80)  DC
          6TH HIGHEST VALUE IS     20.47499 AT (  532839.56,
4256029.53,   115.37,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS     18.62645 AT (  532820.46,
4255995.88,   115.02,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS     18.53856 AT (  532862.29,
4256047.72,   114.87,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS     16.58418 AT (  532534.79,
4256190.67,   109.33,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS     14.05967 AT (  532524.44,
4256235.64,   107.08,   832.00,    1.80)  DC

ALL       1ST HIGHEST VALUE IS     45.95843 AT (  532577.87,
4256251.57,   108.30,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS     42.70174 AT (  532567.51,
4256226.30,   108.64,   832.00,    1.80)  DC
          3RD HIGHEST VALUE IS     30.96620 AT (  532551.36,
4256205.17,   109.00,   832.00,    1.80)  DC
```

```
          4TH HIGHEST VALUE IS      24.69700 AT (  532556.33,
4256278.08,   106.73,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS      21.41635 AT (  532544.49,
4256258.08,   106.97,   832.00,    1.80)  DC
          6TH HIGHEST VALUE IS      20.47504 AT (  532839.56,
4256029.53,   115.37,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS      18.62649 AT (  532820.46,
4255995.88,   115.02,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS      18.53861 AT (  532862.29,
4256047.72,   114.87,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS      16.58425 AT (  532534.79,
4256190.67,   109.33,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS      14.05978 AT (  532524.44,
4256235.64,   107.08,   832.00,    1.80)  DC


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

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/23/17
 *** AERMET - VERSION  14134 ***   ***
***        21:40:22

PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of        18866 Informational Message(s)

 A Total of        43872 Hours Were Processed

 A Total of        16971 Calm Hours Identified

 A Total of         1895 Missing Hours Identified (  4.32 Percent)


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


    ********   WARNING MESSAGES   ********
 MX W481   43873         MAIN: Data Remaining After End of Year.
Number of Hours=           48
```

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.4.0
** Lakes Environmental Software Inc.
** Date: 9/26/2017
** File: C:\Users\xli\Desktop\2498.0008 Elnoka Village HRA\Elnoka
Phase III\Elnoka Phase III.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\xli\Desktop\Elnoka Vilage HRA\Elnoka Vilage
HRA.isc
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 10000000
   POLLUTID DPM
   FLAGPOLE 1.80
   RUNORNOT RUN
   ERRORFIL "Elnoka Phase III.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ---------------------------------------------------------------------
--
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0001
** Elevated
** Vertical Dimension = 6.22
** SZINIT = 1.45
** Nodes = 3
** 532661.694, 4256099.073, 112.47, 3.11, 6.51
```

```
** 532774.039, 4256282.362, 110.05, 3.11, 6.51
** 532268.849, 4256587.470, 103.24, 3.11, 6.51
** ------------------------------------------------------------------
--
   LOCATION L0000001     VOLUME   532665.352 4256105.041 110.87
   LOCATION L0000002     VOLUME   532672.668 4256116.978 109.96
   LOCATION L0000003     VOLUME   532679.984 4256128.914 109.05
   LOCATION L0000004     VOLUME   532687.301 4256140.850 108.29
   LOCATION L0000005     VOLUME   532694.617 4256152.786 108.00
   LOCATION L0000006     VOLUME   532701.933 4256164.722 108.00
   LOCATION L0000007     VOLUME   532709.249 4256176.659 108.00
   LOCATION L0000008     VOLUME   532716.565 4256188.595 108.00
   LOCATION L0000009     VOLUME   532723.882 4256200.531 108.00
   LOCATION L0000010     VOLUME   532731.198 4256212.467 108.18
   LOCATION L0000011     VOLUME   532738.514 4256224.404 108.66
   LOCATION L0000012     VOLUME   532745.830 4256236.340 109.00
   LOCATION L0000013     VOLUME   532753.146 4256248.276 109.00
   LOCATION L0000014     VOLUME   532760.463 4256260.212 109.00
   LOCATION L0000015     VOLUME   532767.779 4256272.148 109.30
   LOCATION L0000016     VOLUME   532772.309 4256283.406 109.69
   LOCATION L0000017     VOLUME   532760.325 4256290.644 109.72
   LOCATION L0000018     VOLUME   532748.341 4256297.882 109.51
   LOCATION L0000019     VOLUME   532736.357 4256305.120 109.35
   LOCATION L0000020     VOLUME   532724.373 4256312.357 109.37
   LOCATION L0000021     VOLUME   532712.389 4256319.595 109.22
   LOCATION L0000022     VOLUME   532700.405 4256326.833 109.01
   LOCATION L0000023     VOLUME   532688.421 4256334.070 109.25
   LOCATION L0000024     VOLUME   532676.437 4256341.308 109.50
   LOCATION L0000025     VOLUME   532664.453 4256348.546 109.51
   LOCATION L0000026     VOLUME   532652.469 4256355.783 109.29
   LOCATION L0000027     VOLUME   532640.485 4256363.021 109.00
   LOCATION L0000028     VOLUME   532628.502 4256370.259 109.00
   LOCATION L0000029     VOLUME   532616.518 4256377.497 109.00
   LOCATION L0000030     VOLUME   532604.534 4256384.734 108.70
   LOCATION L0000031     VOLUME   532592.550 4256391.972 108.30
   LOCATION L0000032     VOLUME   532580.566 4256399.210 107.73
   LOCATION L0000033     VOLUME   532568.582 4256406.447 106.83
   LOCATION L0000034     VOLUME   532556.598 4256413.685 106.11
   LOCATION L0000035     VOLUME   532544.614 4256420.923 105.59
   LOCATION L0000036     VOLUME   532532.630 4256428.161 105.26
   LOCATION L0000037     VOLUME   532520.646 4256435.398 105.20
   LOCATION L0000038     VOLUME   532508.662 4256442.636 105.31
   LOCATION L0000039     VOLUME   532496.678 4256449.874 105.21
   LOCATION L0000040     VOLUME   532484.694 4256457.111 105.25
   LOCATION L0000041     VOLUME   532472.710 4256464.349 105.18
   LOCATION L0000042     VOLUME   532460.726 4256471.587 105.00
   LOCATION L0000043     VOLUME   532448.742 4256478.824 105.04
   LOCATION L0000044     VOLUME   532436.758 4256486.062 105.03
   LOCATION L0000045     VOLUME   532424.774 4256493.300 104.87
   LOCATION L0000046     VOLUME   532412.790 4256500.538 104.86
   LOCATION L0000047     VOLUME   532400.806 4256507.775 104.91
   LOCATION L0000048     VOLUME   532388.822 4256515.013 104.65
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   LOCATION L0000049     VOLUME   532376.838 4256522.251 104.58
   LOCATION L0000050     VOLUME   532364.854 4256529.488 104.54
   LOCATION L0000051     VOLUME   532352.870 4256536.726 104.31
   LOCATION L0000052     VOLUME   532340.886 4256543.964 104.23
   LOCATION L0000053     VOLUME   532328.902 4256551.201 104.25
   LOCATION L0000054     VOLUME   532316.918 4256558.439 104.08
   LOCATION L0000055     VOLUME   532304.934 4256565.677 104.00
   LOCATION L0000056     VOLUME   532292.950 4256572.915 103.85
   LOCATION L0000057     VOLUME   532280.966 4256580.152 103.49
   LOCATION L0000058     VOLUME   532268.982 4256587.390 103.15
** End of LINE VOLUME Source ID = SLINE1
   LOCATION PAREA2       AREAPOLY   532508.510  4256160.719
112.320
** DESCRSRC Phase III area
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000002     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000003     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000004     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000005     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000006     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000007     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000008     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000009     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000010     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000011     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000012     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000013     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000014     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000015     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000016     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000017     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000018     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000019     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000020     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000021     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000022     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000023     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000024     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000025     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000026     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000027     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000028     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000029     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000030     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000031     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000032     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000033     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000034     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000035     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000036     0.000001724      3.11      6.51      1.45
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   SRCPARAM L0000040     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000041     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000042     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000043     0.000001724      3.11      6.51      1.45
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   SRCPARAM L0000045     0.000001724      3.11      6.51      1.45
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   SRCPARAM L0000047     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000048     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000049     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000050     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000051     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000052     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000053     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000054     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000055     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000056     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000057     0.000001724      3.11      6.51      1.45
   SRCPARAM L0000058     0.000001724      3.11      6.51      1.45
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   SRCPARAM PAREA2          0.0001     5.000         6
   AREAVERT PAREA2       532508.510 4256160.719 532786.074 4256002.111
   AREAVERT PAREA2       532748.900 4255940.155 532624.988 4256036.806
   AREAVERT PAREA2       532554.358 4256062.828 532480.010 4256104.958
   URBANSRC L0000001
   URBANSRC L0000002
   URBANSRC L0000003
   URBANSRC L0000004
   URBANSRC L0000005
   URBANSRC L0000006
   URBANSRC L0000007
   URBANSRC L0000008
   URBANSRC L0000009
   URBANSRC L0000010
   URBANSRC L0000011
   URBANSRC L0000012
   URBANSRC L0000013
   URBANSRC L0000014
   URBANSRC L0000015
   URBANSRC L0000016
   URBANSRC L0000017
   URBANSRC L0000018
   URBANSRC L0000019
   URBANSRC L0000020
   URBANSRC L0000021
   URBANSRC L0000022
   URBANSRC L0000023
   URBANSRC L0000024
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   URBANSRC L0000025
   URBANSRC L0000026
   URBANSRC L0000027
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   URBANSRC L0000032
   URBANSRC L0000033
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   URBANSRC L0000054
   URBANSRC L0000055
   URBANSRC L0000056
   URBANSRC L0000057
   URBANSRC L0000058
   URBANSRC PAREA2

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 2"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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EMISFACT L0000004     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000010     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000013     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000014     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000015     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000041     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000042     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000042     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000049     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000056     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA2       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA2       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA2       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Line      L0000001 L0000002 L0000003 L0000004 L0000005
L0000006
   SRCGROUP Line      L0000007 L0000008 L0000009 L0000010 L0000011
L0000012
   SRCGROUP Line      L0000013 L0000014 L0000015 L0000016 L0000017
L0000018
   SRCGROUP Line      L0000019 L0000020 L0000021 L0000022 L0000023
L0000024
   SRCGROUP Line      L0000025 L0000026 L0000027 L0000028 L0000029
L0000030
   SRCGROUP Line      L0000031 L0000032 L0000033 L0000034 L0000035
L0000036
   SRCGROUP Line      L0000037 L0000038 L0000039 L0000040 L0000041
L0000042
   SRCGROUP Line      L0000043 L0000044 L0000045 L0000046 L0000047
L0000048
   SRCGROUP Line      L0000049 L0000050 L0000051 L0000052 L0000053
L0000054
   SRCGROUP Line      L0000055 L0000056 L0000057 L0000058
   SRCGROUP area      PAREA2
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
```

```
RE STARTING
   INCLUDED "Elnoka Phase III.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\724957\724957.SFC
   PROFFILE ..\724957\724957.PFL
   SURFDATA 23213 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 34.8 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "ELNOKA PHASE III.AD\AN00GALL.PLT" 31
   PLOTFILE ANNUAL Line "ELNOKA PHASE III.AD\AN00G001.PLT" 32
   PLOTFILE ANNUAL area "ELNOKA PHASE III.AD\AN00G002.PLT" 33
   SUMMFILE "Elnoka Phase III.sum"
OU FINISHED

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


 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE   1
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                                                ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

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

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
```

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

 **Model Uses URBAN Dispersion Algorithm for the SBL for    59
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =  10000000.0 ;  Urban Roughness Length =  1.000 m

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

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

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:     59 Source(s);       3 Source Group(s); and
106 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     58 VOLUME source(s)
                and:      1 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 OPENPIT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  14134

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

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for
Calm Hours
```

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 34.80 ; 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.

**Detailed Error/Message File: Elnoka Phase III.err
**File for Summary of Results: Elnoka Phase III.sum

*** AERMOD - VERSION 15181 *** *** C:\Users\xli\Desktop\Elnoka Vilage HRA\Elnoka Vilage HRA.isc *** 09/26/17
*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000001	0	0.17240E-05	532665.4	4256105.0	110.9	3.11	6.51	1.45	YES	HRDOW
L0000002	0	0.17240E-05	532672.7	4256117.0	110.0	3.11	6.51	1.45	YES	HRDOW
L0000003	0	0.17240E-05	532680.0	4256128.9	109.0	3.11	6.51	1.45	YES	HRDOW
L0000004	0	0.17240E-05	532687.3	4256140.8	108.3	3.11	6.51	1.45	YES	HRDOW
L0000005	0	0.17240E-05	532694.6	4256152.8	108.0	3.11	6.51	1.45	YES	HRDOW
L0000006	0	0.17240E-05	532701.9	4256164.7	108.0	3.11	6.51	1.45	YES	HRDOW
L0000007	0	0.17240E-05	532709.2	4256176.7	108.0	3.11	6.51	1.45	YES	HRDOW

```
 L0000008          0   0.17240E-05  532716.6 4256188.6   108.0     3.11
6.51     1.45     YES   HRDOW
 L0000009          0   0.17240E-05  532723.9 4256200.5   108.0     3.11
6.51     1.45     YES   HRDOW
 L0000010          0   0.17240E-05  532731.2 4256212.5   108.2     3.11
6.51     1.45     YES   HRDOW
 L0000011          0   0.17240E-05  532738.5 4256224.4   108.7     3.11
6.51     1.45     YES   HRDOW
 L0000012          0   0.17240E-05  532745.8 4256236.3   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000013          0   0.17240E-05  532753.1 4256248.3   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000014          0   0.17240E-05  532760.5 4256260.2   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000015          0   0.17240E-05  532767.8 4256272.1   109.3     3.11
6.51     1.45     YES   HRDOW
 L0000016          0   0.17240E-05  532772.3 4256283.4   109.7     3.11
6.51     1.45     YES   HRDOW
 L0000017          0   0.17240E-05  532760.3 4256290.6   109.7     3.11
6.51     1.45     YES   HRDOW
 L0000018          0   0.17240E-05  532748.3 4256297.9   109.5     3.11
6.51     1.45     YES   HRDOW
 L0000019          0   0.17240E-05  532736.4 4256305.1   109.3     3.11
6.51     1.45     YES   HRDOW
 L0000020          0   0.17240E-05  532724.4 4256312.4   109.4     3.11
6.51     1.45     YES   HRDOW
 L0000021          0   0.17240E-05  532712.4 4256319.6   109.2     3.11
6.51     1.45     YES   HRDOW
 L0000022          0   0.17240E-05  532700.4 4256326.8   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000023          0   0.17240E-05  532688.4 4256334.1   109.2     3.11
6.51     1.45     YES   HRDOW
 L0000024          0   0.17240E-05  532676.4 4256341.3   109.5     3.11
6.51     1.45     YES   HRDOW
 L0000025          0   0.17240E-05  532664.5 4256348.5   109.5     3.11
6.51     1.45     YES   HRDOW
 L0000026          0   0.17240E-05  532652.5 4256355.8   109.3     3.11
6.51     1.45     YES   HRDOW
 L0000027          0   0.17240E-05  532640.5 4256363.0   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000028          0   0.17240E-05  532628.5 4256370.3   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000029          0   0.17240E-05  532616.5 4256377.5   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000030          0   0.17240E-05  532604.5 4256384.7   108.7     3.11
6.51     1.45     YES   HRDOW
 L0000031          0   0.17240E-05  532592.6 4256392.0   108.3     3.11
6.51     1.45     YES   HRDOW
 L0000032          0   0.17240E-05  532580.6 4256399.2   107.7     3.11
6.51     1.45     YES   HRDOW
 L0000033          0   0.17240E-05  532568.6 4256406.4   106.8     3.11
6.51     1.45     YES   HRDOW
```

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE BY	EMISSION RATE SCALAR VARY
L0000034	0	0.17240E-05	532556.6	4256413.7	106.1	3.11	6.51	1.45	YES	HRDOW
L0000035	0	0.17240E-05	532544.6	4256420.9	105.6	3.11	6.51	1.45	YES	HRDOW
L0000036	0	0.17240E-05	532532.6	4256428.2	105.3	3.11	6.51	1.45	YES	HRDOW
L0000037	0	0.17240E-05	532520.6	4256435.4	105.2	3.11	6.51	1.45	YES	HRDOW
L0000038	0	0.17240E-05	532508.7	4256442.6	105.3	3.11	6.51	1.45	YES	HRDOW
L0000039	0	0.17240E-05	532496.7	4256449.9	105.2	3.11	6.51	1.45	YES	HRDOW
L0000040	0	0.17240E-05	532484.7	4256457.1	105.2	3.11	6.51	1.45	YES	HRDOW
L0000041	0	0.17240E-05	532472.7	4256464.3	105.2	3.11	6.51	1.45	YES	HRDOW
L0000042	0	0.17240E-05	532460.7	4256471.6	105.0	3.11	6.51	1.45	YES	HRDOW
L0000043	0	0.17240E-05	532448.7	4256478.8	105.0	3.11	6.51	1.45	YES	HRDOW
L0000044	0	0.17240E-05	532436.8	4256486.1	105.0	3.11	6.51	1.45	YES	HRDOW
L0000045	0	0.17240E-05	532424.8	4256493.3	104.9	3.11	6.51	1.45	YES	HRDOW
L0000046	0	0.17240E-05	532412.8	4256500.5	104.9	3.11	6.51	1.45	YES	HRDOW
L0000047	0	0.17240E-05	532400.8	4256507.8	104.9	3.11	6.51	1.45	YES	HRDOW
L0000048	0	0.17240E-05	532388.8	4256515.0	104.6	3.11	6.51	1.45	YES	HRDOW

```
 L0000049         0   0.17240E-05  532376.8 4256522.3   104.6     3.11
6.51     1.45     YES   HRDOW
 L0000050         0   0.17240E-05  532364.9 4256529.5   104.5     3.11
6.51     1.45     YES   HRDOW
 L0000051         0   0.17240E-05  532352.9 4256536.7   104.3     3.11
6.51     1.45     YES   HRDOW
 L0000052         0   0.17240E-05  532340.9 4256544.0   104.2     3.11
6.51     1.45     YES   HRDOW
 L0000053         0   0.17240E-05  532328.9 4256551.2   104.2     3.11
6.51     1.45     YES   HRDOW
 L0000054         0   0.17240E-05  532316.9 4256558.4   104.1     3.11
6.51     1.45     YES   HRDOW
 L0000055         0   0.17240E-05  532304.9 4256565.7   104.0     3.11
6.51     1.45     YES   HRDOW
 L0000056         0   0.17240E-05  532293.0 4256572.9   103.8     3.11
6.51     1.45     YES   HRDOW
 L0000057         0   0.17240E-05  532281.0 4256580.2   103.5     3.11
6.51     1.45     YES   HRDOW
 L0000058         0   0.17240E-05  532269.0 4256587.4   103.1     3.11
6.51     1.45     YES   HRDOW

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN


                                                  *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 PAREA2           0   0.10000E-03  532508.5 4256160.7   112.3     5.00
6         0.00     YES   HRDOW

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN
```

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
LINE	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
	L0000057 , L0000058 ,
AREA	PAREA2 ,
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,

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

URBAN ID	URBAN POP	SOURCE IDs
10000000.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,	
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,	
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,	
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,	
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,	
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,	
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,	
	L0000057 , L0000058 , PAREA2 ,	

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE   9
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000003     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000004   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000005     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000006     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000007     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000008 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :

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

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000010     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE  17
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000011     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59
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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL   URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000012   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/26/17
 *** AERMET - VERSION 14134 ***   ***
***   10:28:59

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL   URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000013   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000014     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE  21
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000015     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN
```

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000018     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000019   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

```
 SOURCE ID = L0000020     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000021     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE  28
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000022     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000023 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :

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

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000025     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000026   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000027   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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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Vilage HRA\Elnoka Vilage HRA.isc   ***   09/26/17
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 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL   URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000028   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000029     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000030     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN
```

 SOURCE ID = L0000031   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/26/17
 *** AERMET - VERSION 14134 ***   ***
***   10:28:59

 **MODELOPTs: RegDFAULT CONC   ELEV   FLGPOL   URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000032   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000033     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000034   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0000035     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000036     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE  43
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000037     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000038 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000039 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000040     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE  47
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000041     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59
```

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000042   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/26/17
 *** AERMET - VERSION 14134 ***   ***
***   10:28:59

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000043   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000044     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000045     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN
```

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000048     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000049   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0000050 ; 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = L0000051 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000052     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000053 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000054 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000055     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
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```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000056     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000057   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/26/17
 *** AERMET - VERSION 14134 ***   ***
***   10:28:59

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000058   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = PAREA2       ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

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

(532862.3, 4256047.7, 114.9, 832.0, 1.8);
(532839.6, 4256029.5, 115.4, 832.0, 1.8);
(532820.5, 4255995.9, 115.0, 832.0, 1.8);
(532825.9, 4255944.0, 117.6, 832.0, 1.8);
(532789.5, 4255936.8, 118.3, 832.0, 1.8);
(532768.6, 4255908.6, 120.9, 832.0, 1.8);
(532752.2, 4255856.7, 121.8, 832.0, 1.8);
(532785.0, 4255815.8, 121.3, 832.0, 1.8);
(532752.4, 4255882.8, 121.7, 832.0, 1.8);
(532771.1, 4255831.7, 121.4, 832.0, 1.8);
(532801.4, 4255883.3, 120.9, 832.0, 1.8);
(532815.7, 4255858.5, 121.4, 832.0, 1.8);
(532829.7, 4255901.7, 120.2, 832.0, 1.8);
(532846.6, 4255878.4, 120.9, 832.0, 1.8);
(532864.7, 4255855.9, 121.2, 832.0, 1.8);
(532838.1, 4255838.7, 121.9, 832.0, 1.8);
(532866.4, 4255959.3, 119.1, 832.0, 1.8);
(532871.7, 4255990.0, 118.4, 832.0, 1.8);
(532871.7, 4255933.9, 120.2, 832.0, 1.8);
(532882.2, 4255912.9, 120.9, 832.0, 1.8);
(532899.1, 4255889.1, 123.0, 832.0, 1.8);
(532916.9, 4255986.0, 122.6, 832.0, 1.8);
(532930.2, 4255965.0, 124.7, 832.0, 1.8);
(532916.5, 4255866.5, 125.5, 832.0, 1.8);
(532930.2, 4255846.0, 127.8, 832.0, 1.8);
(532944.7, 4255936.0, 127.1, 832.0, 1.8);
(532958.4, 4255906.1, 130.5, 832.0, 1.8);
(532970.9, 4255886.3, 133.6, 832.0, 1.8);
(532946.3, 4255819.7, 130.3, 832.0, 1.8);
(532991.1, 4255858.5, 135.6, 832.0, 1.8);

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     ( 533010.9, 4255843.1,     137.3,     832.0,       1.8);
( 532884.6, 4255809.2,     129.3,     832.0,       1.8);
     ( 532851.9, 4255793.5,     129.9,     832.0,       1.8);
( 532824.1, 4255791.5,     123.6,     832.0,       1.8);
     ( 533034.3, 4255820.9,     140.4,     832.0,       1.8);
( 533054.5, 4255804.4,     143.8,     832.0,       1.8);
     ( 532909.2, 4256052.6,     115.4,     832.0,       1.8);
( 532944.7, 4256040.1,     118.3,     832.0,       1.8);
     ( 532966.5, 4256021.1,     120.8,     832.0,       1.8);
( 532998.0, 4256021.9,     119.5,     832.0,       1.8);
     ( 532950.4, 4256084.8,     111.4,     832.0,       1.8);
( 532990.7, 4256062.2,     114.4,     832.0,       1.8);
     ( 533036.7, 4256020.3,     120.7,     832.0,       1.8);
( 533057.7, 4256017.1,     121.5,     832.0,       1.8);
     ( 533019.0, 4255976.7,     125.0,     832.0,       1.8);
( 533047.6, 4255967.0,     127.4,     832.0,       1.8);
     ( 532985.5, 4255968.2,     126.3,     832.0,       1.8);
( 533002.0, 4255941.6,     130.9,     832.0,       1.8);
     ( 533019.8, 4255916.6,     135.1,     832.0,       1.8);
( 533030.3, 4255896.0,     137.5,     832.0,       1.8);
     ( 533059.7, 4255876.2,     140.8,     832.0,       1.8);
( 533068.2, 4255956.1,     129.1,     832.0,       1.8);
     ( 533085.6, 4256006.6,     121.3,     832.0,       1.8);
( 533113.8, 4255991.2,     121.1,     832.0,       1.8);
     ( 533090.8, 4255942.8,     129.3,     832.0,       1.8);
( 533138.0, 4255979.9,     121.1,     832.0,       1.8);
     ( 533115.0, 4255927.1,     130.1,     832.0,       1.8);
( 533156.2, 4255967.0,     122.0,     832.0,       1.8);
     ( 533137.2, 4255912.1,     131.6,     832.0,       1.8);
( 532524.4, 4256235.6,     107.1,     832.0,       1.8);
     ( 532509.2, 4256223.7,     108.3,     832.0,       1.8);
( 532492.7, 4256241.3,     107.5,     832.0,       1.8);
     ( 532478.4, 4256259.3,     105.7,     832.0,       1.8);
( 532464.3, 4256274.2,     104.7,     832.0,       1.8);
     ( 532544.5, 4256258.1,     107.0,     832.0,       1.8);
( 532451.7, 4256294.9,     103.6,     832.0,       1.8);
     ( 532437.7, 4256313.8,     103.1,     832.0,       1.8);
( 532389.8, 4256310.8,     102.3,     832.0,       1.8);
     ( 532404.8, 4256293.0,     102.1,     832.0,       1.8);
( 532175.2, 4256196.1,     105.1,     832.0,       1.8);
     ( 532165.3, 4256184.9,     104.7,     832.0,       1.8);
( 532120.6, 4256157.1,     100.6,     832.0,       1.8);
     ( 532513.2, 4256183.6,     110.4,     832.0,       1.8);
( 532534.8, 4256190.7,     109.3,     832.0,       1.8);
     ( 532551.4, 4256205.2,     109.0,     832.0,       1.8);
( 532567.5, 4256226.3,     108.6,     832.0,       1.8);
     ( 532577.9, 4256251.6,     108.3,     832.0,       1.8);
( 532423.8, 4256334.4,     103.0,     832.0,       1.8);
     ( 532306.1, 4256321.2,     100.8,     832.0,       1.8);
( 532332.6, 4256344.4,     101.0,     832.0,       1.8);
     ( 532365.8, 4256346.4,     101.7,     832.0,       1.8);
( 532374.9, 4256332.3,     102.0,     832.0,       1.8);
```

```
     ( 532393.1, 4256371.3,     102.8,     832.0,       1.8);
( 532404.7, 4256354.7,     103.0,     832.0,       1.8);
     ( 532556.3, 4256278.1,     106.7,     832.0,       1.8);
( 532219.5, 4255941.4,     101.1,     832.0,       1.8);
     ( 532133.5, 4256010.2,      99.6,     832.0,       1.8);
( 532834.4, 4256230.1,     110.4,     832.0,       1.8);
     ( 532856.7, 4256219.0,     111.0,     832.0,       1.8);
( 532882.7, 4256205.3,     111.0,     832.0,       1.8);

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE  67
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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

     ( 532877.8, 4256188.0,     110.4,     832.0,       1.8);
( 532841.8, 4256204.1,     110.6,     832.0,       1.8);
     ( 532812.1, 4256219.0,     110.0,     832.0,       1.8);
( 532726.6, 4256157.0,     108.5,     832.0,       1.8);
     ( 532748.9, 4256153.3,     108.9,     832.0,       1.8);
( 532768.7, 4256137.2,     109.0,     832.0,       1.8);
     ( 532787.3, 4256123.5,     109.0,     832.0,       1.8);
( 532810.9, 4256103.7,     109.6,     832.0,       1.8);
     ( 532799.7, 4256081.4,     111.1,     832.0,       1.8);
( 532782.4, 4256066.5,     111.9,     832.0,       1.8);
     ( 532776.2, 4256036.8,     113.5,     832.0,       1.8);
( 532746.4, 4256055.4,     113.6,     832.0,       1.8);
     ( 532715.4, 4256075.2,     112.1,     832.0,       1.8);
( 532693.1, 4256092.6,     110.9,     832.0,       1.8);
     ( 532709.2, 4256142.1,     108.3,     832.0,       1.8);
( 532699.3, 4256121.1,     109.0,     832.0,       1.8);

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE  68
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

Surface file: ..\724957\724957.SFC
Met Version: 14134
Profile file: ..\724957\724957.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23213 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	279.9	2.0
09	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	279.2	2.0
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	279.9	2.0
09	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	0.42	0.00	0.	10.0	280.9	2.0
09	01	01	1	10	17.5	-9.000	-9.000	-9.000	157.	-999.	-99999.0	0.03	0.74	0.29	0.00	0.	10.0	282.0	2.0
09	01	01	1	11	32.5	-9.000	-9.000	-9.000	263.	-999.	-99999.0	0.03	0.74	0.24	0.00	0.	10.0	283.1	2.0
09	01	01	1	12	82.0	-9.000	-9.000	-9.000	426.	-999.	-99999.0	0.03	0.74	0.22	0.00	0.	10.0	284.9	2.0
09	01	01	1	13	87.8	0.208	1.039	0.016	462.	228.	-9.3	0.03	0.74	0.22	2.36	999.	10.0	285.9	2.0
09	01	01	1	14	74.7	0.288	1.001	0.015	485.	371.	-28.9	0.05	0.74	0.23	3.36	159.	10.0	285.4	2.0
09	01	01	1	15	49.4	0.351	0.880	0.015	499.	499.	-79.2	0.05	0.74	0.26	4.36	162.	10.0	283.8	2.0
09	01	01	1	16	12.7	0.265	0.561	0.015	502.	331.	-132.2	0.05	0.74	0.34	3.36	164.	10.0	282.5	2.0
09	01	01	1	17	-7.2	0.089	-9.000	-9.000	-999.	102.	8.8	0.05	0.74	0.57	2.36	171.	10.0	281.4	2.0
09	01	01	1	18	-8.3	0.089	-9.000	-9.000	-999.	64.	7.7	0.05	0.74	1.00	2.36	177.	10.0	279.9	2.0
09	01	01	1	19	-4.3	0.066	-9.000	-9.000	-999.	41.	6.1	0.05	0.74	1.00	1.76	164.	10.0	278.8	2.0
09	01	01	1	20	-10.5	0.183	-9.000	-9.000	-999.	188.	52.9	0.05	0.74	1.00	2.86	127.	10.0	278.8	2.0
09	01	01	1	21	-7.6	0.133	-9.000	-9.000	-999.	117.	27.9	0.05	0.74	1.00	2.36	120.	10.0	278.8	2.0
09	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	278.8	2.0
09	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	279.2	2.0

```
 09 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.2    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 01 01   10.0 1 -999.  -99.00   279.9   99.0  -99.00  -99.00

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

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE  70
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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

                                          *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)        CONC                        X-
COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532862.29    4256047.72        0.00008
532839.56    4256029.53        0.00008
         532820.46    4255995.88        0.00008
532825.92    4255944.04        0.00006
         532789.54    4255936.77        0.00006
532768.62    4255908.57        0.00005
         532752.25    4255856.74        0.00003
532784.99    4255815.81        0.00003
         532752.41    4255882.75        0.00004
532771.07    4255831.73        0.00003
         532801.39    4255883.33        0.00004
532815.67    4255858.55        0.00003
```

```
         532829.67    4255901.70        0.00004
532846.58    4255878.38        0.00004
         532864.66    4255855.93        0.00003
532838.12    4255838.72        0.00003
         532866.42    4255959.35        0.00005
532871.67    4255990.02        0.00006
         532871.67    4255933.93        0.00004
532882.16    4255912.94        0.00004
         532899.11    4255889.13        0.00003
532916.87    4255985.98        0.00004
         532930.18    4255965.00        0.00004
532916.46    4255866.54        0.00003
         532930.18    4255845.95        0.00003
532944.71    4255935.95        0.00003
         532958.43    4255906.08        0.00003
532970.94    4255886.31        0.00002
         532946.32    4255819.72        0.00002
532991.12    4255858.46        0.00002
         533010.89    4255843.13        0.00002
532884.58    4255809.23        0.00002
         532851.89    4255793.49        0.00002
532824.05    4255791.48        0.00003
         533034.30    4255820.94        0.00002
533054.47    4255804.39        0.00001
         532909.20    4256052.57        0.00006
532944.71    4256040.06        0.00004
         532966.50    4256021.09        0.00003
532997.98    4256021.90        0.00003
         532950.36    4256084.85        0.00005
532990.71    4256062.25        0.00003
         533036.72    4256020.29        0.00002
533057.70    4256017.06        0.00002
         533018.96    4255976.70        0.00002
533047.61    4255967.02        0.00002
         532985.47    4255968.23        0.00003
533002.01    4255941.59        0.00002
         533019.77    4255916.58        0.00002
533030.26    4255895.99        0.00002
         533059.72    4255876.22        0.00002
533068.19    4255956.12        0.00002
         533085.55    4256006.57        0.00002
533113.79    4255991.23        0.00001
         533090.79    4255942.81        0.00002
533138.01    4255979.93        0.00001
         533115.01    4255927.07        0.00001
533156.17    4255967.02        0.00001
         533137.20    4255912.14        0.00001
532524.44    4256235.64        0.00011
         532509.17    4256223.67        0.00009
532492.71    4256241.32        0.00009
         532478.35    4256259.28        0.00009
532464.28    4256274.25        0.00010
```

```
         532544.49    4256258.08        0.00015
532451.71    4256294.90        0.00010
         532437.65    4256313.75        0.00011
532389.76    4256310.76        0.00008
         532404.75    4256293.03        0.00007
532175.23    4256196.06        0.00001
         532165.28    4256184.87        0.00001
532120.55    4256157.12        0.00001
         532513.25    4256183.63        0.00007
532534.79    4256190.67        0.00009
         532551.36    4256205.17        0.00011
532567.51    4256226.30        0.00014
         532577.87    4256251.57        0.00018
532423.77    4256334.42        0.00012
         532306.13    4256321.16        0.00004
532332.64    4256344.36        0.00006

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE  71
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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

                                       *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)        CONC                       X-
COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532365.78    4256346.43        0.00008
532374.89    4256332.34        0.00008
         532393.12    4256371.28        0.00013
532404.72    4256354.71        0.00012
         532556.33    4256278.08        0.00019
532219.49    4255941.37        0.00001
```

```
         532133.49    4256010.18        0.00001
532834.40    4256230.11        0.00027
         532856.70    4256218.96        0.00017
532882.73    4256205.33        0.00011
         532877.77    4256187.98        0.00012
532841.83    4256204.09        0.00021
         532812.10    4256218.96        0.00040
532726.60    4256157.00        0.00105
         532748.90    4256153.28        0.00060
532768.73    4256137.18        0.00036
         532787.31    4256123.54        0.00025
532810.86    4256103.72        0.00017
         532799.70    4256081.41        0.00015
532782.36    4256066.55        0.00015
         532776.16    4256036.81        0.00012
532746.42    4256055.39        0.00017
         532715.44    4256075.22        0.00028
532693.14    4256092.57        0.00053
         532709.25    4256142.13        0.00131
532699.34    4256121.07        0.00104

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/26/17
 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

PAGE  72
 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: AREA     ***
                                INCLUDING SOURCE(S):
PAREA2      ,

                                          *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)        CONC                        X-
COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532862.29    4256047.72        3.74611
532839.56    4256029.53        5.08909
         532820.46    4255995.88        6.04370
532825.92    4255944.04        4.07816
         532789.54    4255936.77        7.99549
532768.62    4255908.57        7.11293
         532752.25    4255856.74        3.76277
532784.99    4255815.81        2.62304
```

```
         532752.41    4255882.75        5.04119
532771.07    4255831.73        3.03134
         532801.39    4255883.33        4.30679
532815.67    4255858.55        3.17983
         532829.67    4255901.70        3.42760
532846.58    4255878.38        2.56476
         532864.66    4255855.93        1.98854
532838.12    4255838.72        2.36845
         532866.42    4255959.35        2.02984
532871.67    4255990.02        2.20495
         532871.67    4255933.93        1.83185
532882.16    4255912.94        1.62078
         532899.11    4255889.13        1.32067
532916.87    4255985.98        1.19217
         532930.18    4255965.00        0.93006
532916.46    4255866.54        1.08740
         532930.18    4255845.95        0.94038
532944.71    4255935.95        0.74571
         532958.43    4255906.08        0.64110
532970.94    4255886.31        0.57375
         532946.32    4255819.72        0.80257
532991.12    4255858.46        0.50482
         533010.89    4255843.13        0.44071
532884.58    4255809.23        1.32373
         532851.89    4255793.49        1.54947
532824.05    4255791.48        1.92365
         533034.30    4255820.94        0.37809
533054.47    4255804.39        0.33136
         532909.20    4256052.57        2.04487
532944.71    4256040.06        1.28868
         532966.50    4256021.09        0.94439
532997.98    4256021.90        0.75513
         532950.36    4256084.85        1.53842
532990.71    4256062.25        0.98716
         533036.72    4256020.29        0.56784
533057.70    4256017.06        0.48900
         533018.96    4255976.70        0.51082
533047.61    4255967.02        0.40619
         532985.47    4255968.23        0.60351
533002.01    4255941.59        0.47282
         533019.77    4255916.58        0.39028
533030.26    4255895.99        0.35655
         533059.72    4255876.22        0.29372
533068.19    4255956.12        0.34534
         533085.55    4256006.57        0.40350
533113.79    4255991.23        0.33263
         533090.79    4255942.81        0.29684
533138.01    4255979.93        0.28651
         533115.01    4255927.07        0.25365
533156.17    4255967.02        0.25247
         533137.20    4255912.14        0.22060
532524.44    4256235.64       12.44300
```

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: AREA ***
INCLUDING SOURCE(S):
PAREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532509.17	4256223.67	13.41663			
532492.71	4256241.32	9.16885			
532478.35	4256259.28	6.57461			
532464.28	4256274.25	5.06489			
532544.49	4256258.08	10.17326			
532451.71	4256294.90	3.93830			
532437.65	4256313.75	3.15052			
532389.76	4256310.76	1.99496			
532404.75	4256293.03	2.41609			
532175.23	4256196.06	0.16174			
532165.28	4256184.87	0.14472			
532120.55	4256157.12	0.09950			
532513.25	4256183.63	27.92481			
532534.79	4256190.67	25.84119			
532551.36	4256205.17	20.18632			
532567.51	4256226.30	14.78314			
532577.87	4256251.57	10.94476			
532423.77	4256334.42	2.56945			
532306.13	4256321.16	0.83527			
532332.64	4256344.36	1.10471			
532365.78	4256346.43	1.50004			
532374.89	4256332.34	1.66537			
532393.12	4256371.28	1.78793			
532404.72	4256354.71	2.05466			
532556.33	4256278.08	8.41732			
532219.49	4255941.37	0.09595			
532133.49	4256010.18	0.06887			
532834.40	4256230.11	3.41012			

```
         532856.70    4256218.96        2.97684
532882.73    4256205.33        2.52040
         532877.77    4256187.98        2.76250
532841.83    4256204.09        3.57181
         532812.10    4256218.96        4.30082
532726.60    4256157.00       13.12720
         532748.90    4256153.28       11.37214
532768.73    4256137.18       10.79839
         532787.31    4256123.54        9.73124
532810.86    4256103.72        8.09185
         532799.70    4256081.41       11.18975
532782.36    4256066.55       16.97457
         532776.16    4256036.81       24.51944
532746.42    4256055.39       33.02264
         532715.44    4256075.22       37.05851
532693.14    4256092.57       36.76549
         532709.25    4256142.13       17.19053
532699.34    4256121.07       23.56018

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
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 *** AERMET - VERSION  14134 ***   ***
***        10:28:59

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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

                                      *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)        CONC                       X-
COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532862.29    4256047.72        3.74619
532839.56    4256029.53        5.08918
         532820.46    4255995.88        6.04378
532825.92    4255944.04        4.07821
```

```
         532789.54    4255936.77        7.99555
532768.62    4255908.57        7.11297
         532752.25    4255856.74        3.76281
532784.99    4255815.81        2.62307
         532752.41    4255882.75        5.04122
532771.07    4255831.73        3.03137
         532801.39    4255883.33        4.30683
532815.67    4255858.55        3.17987
         532829.67    4255901.70        3.42765
532846.58    4255878.38        2.56479
         532864.66    4255855.93        1.98858
532838.12    4255838.72        2.36849
         532866.42    4255959.35        2.02989
532871.67    4255990.02        2.20500
         532871.67    4255933.93        1.83190
532882.16    4255912.94        1.62082
         532899.11    4255889.13        1.32071
532916.87    4255985.98        1.19222
         532930.18    4255965.00        0.93010
532916.46    4255866.54        1.08743
         532930.18    4255845.95        0.94041
532944.71    4255935.95        0.74574
         532958.43    4255906.08        0.64113
532970.94    4255886.31        0.57377
         532946.32    4255819.72        0.80260
532991.12    4255858.46        0.50484
         533010.89    4255843.13        0.44073
532884.58    4255809.23        1.32376
         532851.89    4255793.49        1.54950
532824.05    4255791.48        1.92368
         533034.30    4255820.94        0.37811
533054.47    4255804.39        0.33138
         532909.20    4256052.57        2.04493
532944.71    4256040.06        1.28872
         532966.50    4256021.09        0.94443
532997.98    4256021.90        0.75516
         532950.36    4256084.85        1.53846
532990.71    4256062.25        0.98719
         533036.72    4256020.29        0.56786
533057.70    4256017.06        0.48902
         533018.96    4255976.70        0.51084
533047.61    4255967.02        0.40621
         532985.47    4255968.23        0.60354
533002.01    4255941.59        0.47284
         533019.77    4255916.58        0.39030
533030.26    4255895.99        0.35657
         533059.72    4255876.22        0.29374
533068.19    4255956.12        0.34536
         533085.55    4256006.57        0.40352
533113.79    4255991.23        0.33265
         533090.79    4255942.81        0.29685
533138.01    4255979.93        0.28652
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         533115.01    4255927.07        0.25366
533156.17    4255967.02        0.25248
         533137.20    4255912.14        0.22061
532524.44    4256235.64       12.44311
         532509.17    4256223.67       13.41672
532492.71    4256241.32        9.16894
         532478.35    4256259.28        6.57471
532464.28    4256274.25        5.06498
         532544.49    4256258.08       10.17341
532451.71    4256294.90        3.93840
         532437.65    4256313.75        3.15063
532389.76    4256310.76        1.99503
         532404.75    4256293.03        2.41616
532175.23    4256196.06        0.16175
         532165.28    4256184.87        0.14473
532120.55    4256157.12        0.09950
         532513.25    4256183.63       27.92488
532534.79    4256190.67       25.84128
         532551.36    4256205.17       20.18642
532567.51    4256226.30       14.78328
         532577.87    4256251.57       10.94495
532423.77    4256334.42        2.56957
         532306.13    4256321.16        0.83532
532332.64    4256344.36        1.10477

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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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

                                          *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

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

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532365.78    4256346.43        1.50012
532374.89    4256332.34        1.66545
         532393.12    4256371.28        1.78807
532404.72    4256354.71        2.05478
         532556.33    4256278.08        8.41751
532219.49    4255941.37        0.09595
         532133.49    4256010.18        0.06888
532834.40    4256230.11        3.41039
         532856.70    4256218.96        2.97701
532882.73    4256205.33        2.52051
         532877.77    4256187.98        2.76261
532841.83    4256204.09        3.57202
         532812.10    4256218.96        4.30121
532726.60    4256157.00       13.12825
         532748.90    4256153.28       11.37273
532768.73    4256137.18       10.79875
         532787.31    4256123.54        9.73149
532810.86    4256103.72        8.09202
         532799.70    4256081.41       11.18990
532782.36    4256066.55       16.97473
         532776.16    4256036.81       24.51956
532746.42    4256055.39       33.02281
         532715.44    4256075.22       37.05878
532693.14    4256092.57       36.76602
         532709.25    4256142.13       17.19183
532699.34    4256121.07       23.56122

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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


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


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

```
LINE      1ST HIGHEST VALUE IS      0.00131 AT (  532709.25,
4256142.13,   108.30,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS      0.00105 AT (  532726.60,
4256157.00,   108.49,   832.00,    1.80)  DC
          3RD HIGHEST VALUE IS      0.00104 AT (  532699.34,
4256121.07,   108.97,   832.00,    1.80)  DC
          4TH HIGHEST VALUE IS      0.00060 AT (  532748.90,
4256153.28,   108.89,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS      0.00053 AT (  532693.14,
4256092.57,   110.94,   832.00,    1.80)  DC
          6TH HIGHEST VALUE IS      0.00040 AT (  532812.10,
4256218.96,   110.00,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS      0.00036 AT (  532768.73,
4256137.18,   109.00,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS      0.00028 AT (  532715.44,
4256075.22,   112.12,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS      0.00027 AT (  532834.40,
4256230.11,   110.36,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS      0.00025 AT (  532787.31,
4256123.54,   109.00,   832.00,    1.80)  DC

AREA      1ST HIGHEST VALUE IS     37.05851 AT (  532715.44,
4256075.22,   112.12,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS     36.76549 AT (  532693.14,
4256092.57,   110.94,   832.00,    1.80)  DC
          3RD HIGHEST VALUE IS     33.02264 AT (  532746.42,
4256055.39,   113.61,   832.00,    1.80)  DC
          4TH HIGHEST VALUE IS     27.92481 AT (  532513.25,
4256183.63,   110.37,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS     25.84119 AT (  532534.79,
4256190.67,   109.33,   832.00,    1.80)  DC
          6TH HIGHEST VALUE IS     24.51944 AT (  532776.16,
4256036.81,   113.51,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS     23.56018 AT (  532699.34,
4256121.07,   108.97,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS     20.18632 AT (  532551.36,
4256205.17,   109.00,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS     17.19053 AT (  532709.25,
4256142.13,   108.30,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS     16.97457 AT (  532782.36,
4256066.55,   111.91,   832.00,    1.80)  DC

ALL       1ST HIGHEST VALUE IS     37.05878 AT (  532715.44,
4256075.22,   112.12,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS     36.76602 AT (  532693.14,
4256092.57,   110.94,   832.00,    1.80)  DC
          3RD HIGHEST VALUE IS     33.02281 AT (  532746.42,
4256055.39,   113.61,   832.00,    1.80)  DC
          4TH HIGHEST VALUE IS     27.92488 AT (  532513.25,
4256183.63,   110.37,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS     25.84128 AT (  532534.79,
4256190.67,   109.33,   832.00,    1.80)  DC
```

```
          6TH HIGHEST VALUE IS      24.51956 AT (  532776.16,
4256036.81,   113.51,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS      23.56122 AT (  532699.34,
4256121.07,   108.97,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS      20.18642 AT (  532551.36,
4256205.17,   109.00,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS      17.19183 AT (  532709.25,
4256142.13,   108.30,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS      16.97473 AT (  532782.36,
4256066.55,   111.91,   832.00,    1.80)  DC


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

 *** AERMOD - VERSION  15181 ***   *** C:\Users\xli\Desktop\Elnoka
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 **MODELOPTs:   RegDFAULT CONC      ELEV      FLGPOL    URBAN

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of        18866 Informational Message(s)

 A Total of        43872 Hours Were Processed

 A Total of        16971 Calm Hours Identified

 A Total of         1895 Missing Hours Identified (  4.32 Percent)


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


    ********   WARNING MESSAGES   ********
 MX W481   43873         MAIN: Data Remaining After End of Year.
Number of Hours=           48

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 9/25/2017
** File: F:\WORK\2498.0008 Elnoka Village HRA\Elnoka Phase V\Elnoka
Phase V.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\xli\Desktop\Elnoka Vilage HRA\Elnoka Vilage
HRA.isc
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 10000000
   POLLUTID DPM
   FLAGPOLE 1.80
   RUNORNOT RUN
   ERRORFIL "Elnoka Phase V.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ---------------------------------------------------------------------
--
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0001
** Elevated
** Vertical Dimension = 6.22
** SZINIT = 1.45
** Nodes = 4
** 532519.032, 4256161.294, 111.38, 3.11, 6.51
```

```
** 532649.140, 4256085.414, 113.10, 3.11, 6.51
** 532774.039, 4256282.362, 110.05, 3.11, 6.51
** 532268.849, 4256587.470, 103.24, 3.11, 6.51
** ------------------------------------------------------------------
--
   LOCATION L0000001     VOLUME   532525.079 4256157.768 111.79
   LOCATION L0000002     VOLUME   532537.172 4256150.715 111.74
   LOCATION L0000003     VOLUME   532549.266 4256143.662 111.56
   LOCATION L0000004     VOLUME   532561.359 4256136.609 111.90
   LOCATION L0000005     VOLUME   532573.453 4256129.555 112.32
   LOCATION L0000006     VOLUME   532585.546 4256122.502 112.52
   LOCATION L0000007     VOLUME   532597.640 4256115.449 112.63
   LOCATION L0000008     VOLUME   532609.734 4256108.396 112.94
   LOCATION L0000009     VOLUME   532621.827 4256101.343 113.51
   LOCATION L0000010     VOLUME   532633.921 4256094.290 112.21
   LOCATION L0000011     VOLUME   532646.014 4256087.237 112.85
   LOCATION L0000012     VOLUME   532654.700 4256094.182 111.95
   LOCATION L0000013     VOLUME   532662.198 4256106.005 110.83
   LOCATION L0000014     VOLUME   532669.696 4256117.828 109.91
   LOCATION L0000015     VOLUME   532677.194 4256129.651 109.05
   LOCATION L0000016     VOLUME   532684.691 4256141.473 108.27
   LOCATION L0000017     VOLUME   532692.189 4256153.296 108.00
   LOCATION L0000018     VOLUME   532699.687 4256165.119 108.00
   LOCATION L0000019     VOLUME   532707.185 4256176.942 108.00
   LOCATION L0000020     VOLUME   532714.683 4256188.765 108.00
   LOCATION L0000021     VOLUME   532722.180 4256200.588 108.00
   LOCATION L0000022     VOLUME   532729.678 4256212.411 108.17
   LOCATION L0000023     VOLUME   532737.176 4256224.234 108.64
   LOCATION L0000024     VOLUME   532744.674 4256236.057 108.99
   LOCATION L0000025     VOLUME   532752.172 4256247.880 109.00
   LOCATION L0000026     VOLUME   532759.670 4256259.703 109.00
   LOCATION L0000027     VOLUME   532767.167 4256271.526 109.27
   LOCATION L0000028     VOLUME   532773.038 4256282.966 109.69
   LOCATION L0000029     VOLUME   532761.054 4256290.204 109.72
   LOCATION L0000030     VOLUME   532749.070 4256297.442 109.53
   LOCATION L0000031     VOLUME   532737.086 4256304.679 109.36
   LOCATION L0000032     VOLUME   532725.102 4256311.917 109.37
   LOCATION L0000033     VOLUME   532713.118 4256319.155 109.24
   LOCATION L0000034     VOLUME   532701.134 4256326.392 109.00
   LOCATION L0000035     VOLUME   532689.150 4256333.630 109.24
   LOCATION L0000036     VOLUME   532677.166 4256340.868 109.48
   LOCATION L0000037     VOLUME   532665.182 4256348.106 109.52
   LOCATION L0000038     VOLUME   532653.198 4256355.343 109.30
   LOCATION L0000039     VOLUME   532641.214 4256362.581 109.00
   LOCATION L0000040     VOLUME   532629.230 4256369.819 109.00
   LOCATION L0000041     VOLUME   532617.246 4256377.056 109.00
   LOCATION L0000042     VOLUME   532605.262 4256384.294 108.72
   LOCATION L0000043     VOLUME   532593.278 4256391.532 108.32
   LOCATION L0000044     VOLUME   532581.294 4256398.769 107.79
   LOCATION L0000045     VOLUME   532569.311 4256406.007 106.88
   LOCATION L0000046     VOLUME   532557.327 4256413.245 106.15
   LOCATION L0000047     VOLUME   532545.343 4256420.483 105.62
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   LOCATION L0000048     VOLUME   532533.359 4256427.720 105.28
   LOCATION L0000049     VOLUME   532521.375 4256434.958 105.19
   LOCATION L0000050     VOLUME   532509.391 4256442.196 105.31
   LOCATION L0000051     VOLUME   532497.407 4256449.433 105.22
   LOCATION L0000052     VOLUME   532485.423 4256456.671 105.25
   LOCATION L0000053     VOLUME   532473.439 4256463.909 105.19
   LOCATION L0000054     VOLUME   532461.455 4256471.147 105.00
   LOCATION L0000055     VOLUME   532449.471 4256478.384 105.03
   LOCATION L0000056     VOLUME   532437.487 4256485.622 105.04
   LOCATION L0000057     VOLUME   532425.503 4256492.860 104.88
   LOCATION L0000058     VOLUME   532413.519 4256500.097 104.86
   LOCATION L0000059     VOLUME   532401.535 4256507.335 104.93
   LOCATION L0000060     VOLUME   532389.551 4256514.573 104.66
   LOCATION L0000061     VOLUME   532377.567 4256521.810 104.58
   LOCATION L0000062     VOLUME   532365.583 4256529.048 104.55
   LOCATION L0000063     VOLUME   532353.599 4256536.286 104.33
   LOCATION L0000064     VOLUME   532341.615 4256543.524 104.22
   LOCATION L0000065     VOLUME   532329.631 4256550.761 104.25
   LOCATION L0000066     VOLUME   532317.647 4256557.999 104.10
   LOCATION L0000067     VOLUME   532305.663 4256565.237 104.00
   LOCATION L0000068     VOLUME   532293.679 4256572.474 103.87
   LOCATION L0000069     VOLUME   532281.695 4256579.712 103.52
   LOCATION L0000070     VOLUME   532269.711 4256586.950 103.17
** End of LINE VOLUME Source ID = SLINE1
   LOCATION PAREA4       AREAPOLY   532496.044  4256161.766
112.860
** DESCRSRC Phase V area
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000002     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000003     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000004     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000005     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000006     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000007     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000008     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000009     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000010     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000011     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000012     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000013     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000014     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000015     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000016     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000017     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000018     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000019     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000020     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000021     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000022     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000023     0.000001429      3.11      6.51      1.45
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   SRCPARAM L0000024     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000025     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000026     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000027     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000028     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000029     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000030     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000031     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000032     0.000001429      3.11      6.51      1.45
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   SRCPARAM L0000046     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000047     0.000001429      3.11      6.51      1.45
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   SRCPARAM L0000056     0.000001429      3.11      6.51      1.45
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   SRCPARAM L0000062     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000063     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000064     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000065     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000066     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000067     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000068     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000069     0.000001429      3.11      6.51      1.45
   SRCPARAM L0000070     0.000001429      3.11      6.51      1.45
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   SRCPARAM PAREA4          0.0001     5.000         4
   AREAVERT PAREA4       532496.044 4256161.766 532352.764 4255948.683
   AREAVERT PAREA4       532189.890 4256110.332 532311.127 4256281.779
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URBANSRC L0000003
URBANSRC L0000004
URBANSRC L0000005
URBANSRC L0000006
URBANSRC L0000007
URBANSRC L0000008
URBANSRC L0000009
URBANSRC L0000010
URBANSRC L0000011
URBANSRC L0000012
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URBANSRC L0000050
URBANSRC L0000051
URBANSRC L0000052
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   URBANSRC L0000066
   URBANSRC L0000067
   URBANSRC L0000068
   URBANSRC L0000069
   URBANSRC L0000070
   URBANSRC PAREA4

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 2"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000008     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000013     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000014     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000037     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000038     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000038     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000039     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000039     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000039     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000047     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000032     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000033     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
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    EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000029     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000031     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000033     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000034     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000036     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000064     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA4       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA4       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA4       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA4       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA4       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA4       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA4       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA4       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT PAREA4       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA4       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA4       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA4       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Line      L0000001 L0000002 L0000003 L0000004 L0000005
L0000006
   SRCGROUP Line      L0000007 L0000008 L0000009 L0000010 L0000011
L0000012
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```
   SRCGROUP Line     L0000013 L0000014 L0000015 L0000016 L0000017
L0000018
   SRCGROUP Line     L0000019 L0000020 L0000021 L0000022 L0000023
L0000024
   SRCGROUP Line     L0000025 L0000026 L0000027 L0000028 L0000029
L0000030
   SRCGROUP Line     L0000031 L0000032 L0000033 L0000034 L0000035
L0000036
   SRCGROUP Line     L0000037 L0000038 L0000039 L0000040 L0000041
L0000042
   SRCGROUP Line     L0000043 L0000044 L0000045 L0000046 L0000047
L0000048
   SRCGROUP Line     L0000049 L0000050 L0000051 L0000052 L0000053
L0000054
   SRCGROUP Line     L0000055 L0000056 L0000057 L0000058 L0000059
L0000060
   SRCGROUP Line     L0000061 L0000062 L0000063 L0000064 L0000065
L0000066
   SRCGROUP Line     L0000067 L0000068 L0000069 L0000070
   SRCGROUP area     PAREA4
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Elnoka Phase V.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\724957\724957.SFC
   PROFFILE ..\724957\724957.PFL
   SURFDATA 23213 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 34.8 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
```

```
   PLOTFILE ANNUAL ALL "ELNOKA PHASE V.AD\AN00GALL.PLT" 31
   PLOTFILE ANNUAL Line "ELNOKA PHASE V.AD\AN00G001.PLT" 32
   PLOTFILE ANNUAL area "ELNOKA PHASE V.AD\AN00G002.PLT" 33
   SUMMFILE "Elnoka Phase V.sum"
OU FINISHED

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


 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                                                ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

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

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

 **Model Uses URBAN Dispersion Algorithm for the SBL for    71
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =  10000000.0 ;  Urban Roughness Length =  1.000 m

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

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

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM
```

```
 **Model Calculates ANNUAL Averages Only

 **This Run Includes:     71 Source(s);       3 Source Group(s); and
147 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     70 VOLUME source(s)
                 and:      1 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  14134

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =
34.80 ;  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.

 **Detailed Error/Message File:   Elnoka Phase V.err
 **File for Summary of Results:   Elnoka Phase V.sum

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SOURCE CATS.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE
L0000001	0	0.14290E-05	532525.1	4256157.8	111.8	3.11	6.51	1.45	YES HRDOW
L0000002	0	0.14290E-05	532537.2	4256150.7	111.7	3.11	6.51	1.45	YES HRDOW
L0000003	0	0.14290E-05	532549.3	4256143.7	111.6	3.11	6.51	1.45	YES HRDOW
L0000004	0	0.14290E-05	532561.4	4256136.6	111.9	3.11	6.51	1.45	YES HRDOW
L0000005	0	0.14290E-05	532573.5	4256129.6	112.3	3.11	6.51	1.45	YES HRDOW
L0000006	0	0.14290E-05	532585.5	4256122.5	112.5	3.11	6.51	1.45	YES HRDOW
L0000007	0	0.14290E-05	532597.6	4256115.4	112.6	3.11	6.51	1.45	YES HRDOW
L0000008	0	0.14290E-05	532609.7	4256108.4	112.9	3.11	6.51	1.45	YES HRDOW
L0000009	0	0.14290E-05	532621.8	4256101.3	113.5	3.11	6.51	1.45	YES HRDOW
L0000010	0	0.14290E-05	532633.9	4256094.3	112.2	3.11	6.51	1.45	YES HRDOW
L0000011	0	0.14290E-05	532646.0	4256087.2	112.8	3.11	6.51	1.45	YES HRDOW
L0000012	0	0.14290E-05	532654.7	4256094.2	112.0	3.11	6.51	1.45	YES HRDOW
L0000013	0	0.14290E-05	532662.2	4256106.0	110.8	3.11	6.51	1.45	YES HRDOW
L0000014	0	0.14290E-05	532669.7	4256117.8	109.9	3.11	6.51	1.45	YES HRDOW
L0000015	0	0.14290E-05	532677.2	4256129.7	109.0	3.11	6.51	1.45	YES HRDOW
L0000016	0	0.14290E-05	532684.7	4256141.5	108.3	3.11	6.51	1.45	YES HRDOW
L0000017	0	0.14290E-05	532692.2	4256153.3	108.0	3.11	6.51	1.45	YES HRDOW
L0000018	0	0.14290E-05	532699.7	4256165.1	108.0	3.11	6.51	1.45	YES HRDOW
L0000019	0	0.14290E-05	532707.2	4256176.9	108.0	3.11	6.51	1.45	YES HRDOW

 L0000020   0   0.14290E-05 532714.7 4256188.8   108.0   3.11
6.51   1.45   YES   HRDOW
 L0000021   0   0.14290E-05 532722.2 4256200.6   108.0   3.11
6.51   1.45   YES   HRDOW
 L0000022   0   0.14290E-05 532729.7 4256212.4   108.2   3.11
6.51   1.45   YES   HRDOW
 L0000023   0   0.14290E-05 532737.2 4256224.2   108.6   3.11
6.51   1.45   YES   HRDOW
 L0000024   0   0.14290E-05 532744.7 4256236.1   109.0   3.11
6.51   1.45   YES   HRDOW
 L0000025   0   0.14290E-05 532752.2 4256247.9   109.0   3.11
6.51   1.45   YES   HRDOW
 L0000026   0   0.14290E-05 532759.7 4256259.7   109.0   3.11
6.51   1.45   YES   HRDOW
 L0000027   0   0.14290E-05 532767.2 4256271.5   109.3   3.11
6.51   1.45   YES   HRDOW
 L0000028   0   0.14290E-05 532773.0 4256283.0   109.7   3.11
6.51   1.45   YES   HRDOW
 L0000029   0   0.14290E-05 532761.1 4256290.2   109.7   3.11
6.51   1.45   YES   HRDOW
 L0000030   0   0.14290E-05 532749.1 4256297.4   109.5   3.11
6.51   1.45   YES   HRDOW
 L0000031   0   0.14290E-05 532737.1 4256304.7   109.4   3.11
6.51   1.45   YES   HRDOW
 L0000032   0   0.14290E-05 532725.1 4256311.9   109.4   3.11
6.51   1.45   YES   HRDOW
 L0000033   0   0.14290E-05 532713.1 4256319.2   109.2   3.11
6.51   1.45   YES   HRDOW
 L0000034   0   0.14290E-05 532701.1 4256326.4   109.0   3.11
6.51   1.45   YES   HRDOW
 L0000035   0   0.14290E-05 532689.2 4256333.6   109.2   3.11
6.51   1.45   YES   HRDOW
 L0000036   0   0.14290E-05 532677.2 4256340.9   109.5   3.11
6.51   1.45   YES   HRDOW
 L0000037   0   0.14290E-05 532665.2 4256348.1   109.5   3.11
6.51   1.45   YES   HRDOW
 L0000038   0   0.14290E-05 532653.2 4256355.3   109.3   3.11
6.51   1.45   YES   HRDOW
 L0000039   0   0.14290E-05 532641.2 4256362.6   109.0   3.11
6.51   1.45   YES   HRDOW
 L0000040   0   0.14290E-05 532629.2 4256369.8   109.0   3.11
6.51   1.45   YES   HRDOW

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. SOURCE CATS.	EMISSION RATE SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE
L0000041	0	0.14290E-05		532617.2	4256377.1	109.0	3.11	6.51	1.45	YES
L0000042	0	0.14290E-05		532605.3	4256384.3	108.7	3.11	6.51	1.45	YES
L0000043	0	0.14290E-05		532593.3	4256391.5	108.3	3.11	6.51	1.45	YES
L0000044	0	0.14290E-05		532581.3	4256398.8	107.8	3.11	6.51	1.45	YES
L0000045	0	0.14290E-05		532569.3	4256406.0	106.9	3.11	6.51	1.45	YES
L0000046	0	0.14290E-05		532557.3	4256413.2	106.1	3.11	6.51	1.45	YES
L0000047	0	0.14290E-05		532545.3	4256420.5	105.6	3.11	6.51	1.45	YES
L0000048	0	0.14290E-05		532533.4	4256427.7	105.3	3.11	6.51	1.45	YES
L0000049	0	0.14290E-05		532521.4	4256435.0	105.2	3.11	6.51	1.45	YES
L0000050	0	0.14290E-05		532509.4	4256442.2	105.3	3.11	6.51	1.45	YES
L0000051	0	0.14290E-05		532497.4	4256449.4	105.2	3.11	6.51	1.45	YES
L0000052	0	0.14290E-05		532485.4	4256456.7	105.2	3.11	6.51	1.45	YES
L0000053	0	0.14290E-05		532473.4	4256463.9	105.2	3.11	6.51	1.45	YES
L0000054	0	0.14290E-05		532461.5	4256471.1	105.0	3.11	6.51	1.45	YES
L0000055	0	0.14290E-05		532449.5	4256478.4	105.0	3.11	6.51	1.45	YES
L0000056	0	0.14290E-05		532437.5	4256485.6	105.0	3.11	6.51	1.45	YES
L0000057	0	0.14290E-05		532425.5	4256492.9	104.9	3.11	6.51	1.45	YES
L0000058	0	0.14290E-05		532413.5	4256500.1	104.9	3.11	6.51	1.45	YES
L0000059	0	0.14290E-05		532401.5	4256507.3	104.9	3.11	6.51	1.45	YES
L0000060	0	0.14290E-05		532389.6	4256514.6	104.7	3.11	6.51	1.45	YES

```
 L0000061         0   0.14290E-05  532377.6 4256521.8   104.6     3.11
6.51     1.45     YES   HRDOW
 L0000062         0   0.14290E-05  532365.6 4256529.0   104.5     3.11
6.51     1.45     YES   HRDOW
 L0000063         0   0.14290E-05  532353.6 4256536.3   104.3     3.11
6.51     1.45     YES   HRDOW
 L0000064         0   0.14290E-05  532341.6 4256543.5   104.2     3.11
6.51     1.45     YES   HRDOW
 L0000065         0   0.14290E-05  532329.6 4256550.8   104.2     3.11
6.51     1.45     YES   HRDOW
 L0000066         0   0.14290E-05  532317.6 4256558.0   104.1     3.11
6.51     1.45     YES   HRDOW
 L0000067         0   0.14290E-05  532305.7 4256565.2   104.0     3.11
6.51     1.45     YES   HRDOW
 L0000068         0   0.14290E-05  532293.7 4256572.5   103.9     3.11
6.51     1.45     YES   HRDOW
 L0000069         0   0.14290E-05  532281.7 4256579.7   103.5     3.11
6.51     1.45     YES   HRDOW
 L0000070         0   0.14290E-05  532269.7 4256587.0   103.2     3.11
6.51     1.45     YES   HRDOW

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN


                                                  *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 PAREA4           0   0.10000E-03  532496.0 4256161.8   112.9     5.00
4         0.00     YES   HRDOW

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
LINE	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
AREA	PAREA4 ,
ALL	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

URBAN ID	URBAN POP	SOURCE IDs
10000000.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,	
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,	
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,	
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,	
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,	
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,	
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,	

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000001   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 ID = L0000002 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000004     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000005   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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) *

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000007   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000008     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :

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

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000011     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
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```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000012     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000013   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/25/17
 *** AERMET - VERSION 14134 ***   ***
***   22:32:16

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000014   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000015     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000016     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = L0000018 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000019     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000020   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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) *

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000023     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000025 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000026     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000027   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000028   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/25/17
 *** AERMET - VERSION 14134 ***   ***
***   22:32:16

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000029   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000030     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000031     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000032 ; 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = L0000033 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000034     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000035     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *
```

```
 SOURCE ID = L0000036     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000037     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000038     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000039 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000040 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000041     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000042     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000043   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/25/17
 *** AERMET - VERSION 14134 ***   ***
***   22:32:16

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000044   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000045     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000046     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000047 ; 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = L0000048 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000049     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000050   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0000051     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000052     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000053     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000054 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000055 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000056     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000057     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000058   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/25/17
 *** AERMET - VERSION 14134 ***   ***
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000059   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000060     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000061     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000062 ; 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = L0000063 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000064     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000065   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0000066     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE  73
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000067     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000068     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000069 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000070 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE  77
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = PAREA4       ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

     (532862.3, 4256047.7,   114.9,   832.0,   1.8);
(532839.6, 4256029.5,   115.4,   832.0,   1.8);
     (532820.5, 4255995.9,   115.0,   832.0,   1.8);
(532825.9, 4255944.0,   117.6,   832.0,   1.8);
     (532789.5, 4255936.8,   118.3,   832.0,   1.8);
(532768.6, 4255908.6,   120.9,   832.0,   1.8);
     (532752.2, 4255856.7,   121.8,   832.0,   1.8);
(532785.0, 4255815.8,   121.3,   832.0,   1.8);
     (532752.4, 4255882.8,   121.7,   832.0,   1.8);
(532771.1, 4255831.7,   121.4,   832.0,   1.8);
     (532801.4, 4255883.3,   120.9,   832.0,   1.8);
(532815.7, 4255858.5,   121.4,   832.0,   1.8);
     (532829.7, 4255901.7,   120.2,   832.0,   1.8);
(532846.6, 4255878.4,   120.9,   832.0,   1.8);
     (532864.7, 4255855.9,   121.2,   832.0,   1.8);
(532838.1, 4255838.7,   121.9,   832.0,   1.8);
     (532866.4, 4255959.3,   119.1,   832.0,   1.8);
(532871.7, 4255990.0,   118.4,   832.0,   1.8);
     (532871.7, 4255933.9,   120.2,   832.0,   1.8);
(532882.2, 4255912.9,   120.9,   832.0,   1.8);
     (532899.1, 4255889.1,   123.0,   832.0,   1.8);
(532916.9, 4255986.0,   122.6,   832.0,   1.8);
     (532930.2, 4255965.0,   124.7,   832.0,   1.8);
(532916.5, 4255866.5,   125.5,   832.0,   1.8);
     (532930.2, 4255846.0,   127.8,   832.0,   1.8);
(532944.7, 4255936.0,   127.1,   832.0,   1.8);
     (532958.4, 4255906.1,   130.5,   832.0,   1.8);
(532970.9, 4255886.3,   133.6,   832.0,   1.8);

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     ( 532946.3, 4255819.7,     130.3,     832.0,       1.8);
( 532991.1, 4255858.5,     135.6,     832.0,       1.8);
     ( 533010.9, 4255843.1,     137.3,     832.0,       1.8);
( 532884.6, 4255809.2,     129.3,     832.0,       1.8);
     ( 532851.9, 4255793.5,     129.9,     832.0,       1.8);
( 532824.1, 4255791.5,     123.6,     832.0,       1.8);
     ( 533034.3, 4255820.9,     140.4,     832.0,       1.8);
( 533054.5, 4255804.4,     143.8,     832.0,       1.8);
     ( 532909.2, 4256052.6,     115.4,     832.0,       1.8);
( 532944.7, 4256040.1,     118.3,     832.0,       1.8);
     ( 532966.5, 4256021.1,     120.8,     832.0,       1.8);
( 532998.0, 4256021.9,     119.5,     832.0,       1.8);
     ( 532950.4, 4256084.8,     111.4,     832.0,       1.8);
( 532990.7, 4256062.2,     114.4,     832.0,       1.8);
     ( 533036.7, 4256020.3,     120.7,     832.0,       1.8);
( 533057.7, 4256017.1,     121.5,     832.0,       1.8);
     ( 533019.0, 4255976.7,     125.0,     832.0,       1.8);
( 533047.6, 4255967.0,     127.4,     832.0,       1.8);
     ( 532985.5, 4255968.2,     126.3,     832.0,       1.8);
( 533002.0, 4255941.6,     130.9,     832.0,       1.8);
     ( 533019.8, 4255916.6,     135.1,     832.0,       1.8);
( 533030.3, 4255896.0,     137.5,     832.0,       1.8);
     ( 533059.7, 4255876.2,     140.8,     832.0,       1.8);
( 533068.2, 4255956.1,     129.1,     832.0,       1.8);
     ( 533085.6, 4256006.6,     121.3,     832.0,       1.8);
( 533113.8, 4255991.2,     121.1,     832.0,       1.8);
     ( 533090.8, 4255942.8,     129.3,     832.0,       1.8);
( 533138.0, 4255979.9,     121.1,     832.0,       1.8);
     ( 533115.0, 4255927.1,     130.1,     832.0,       1.8);
( 533156.2, 4255967.0,     122.0,     832.0,       1.8);
     ( 533137.2, 4255912.1,     131.6,     832.0,       1.8);
( 532524.4, 4256235.6,     107.1,     832.0,       1.8);
     ( 532509.2, 4256223.7,     108.3,     832.0,       1.8);
( 532492.7, 4256241.3,     107.5,     832.0,       1.8);
     ( 532478.4, 4256259.3,     105.7,     832.0,       1.8);
( 532464.3, 4256274.2,     104.7,     832.0,       1.8);
     ( 532544.5, 4256258.1,     107.0,     832.0,       1.8);
( 532451.7, 4256294.9,     103.6,     832.0,       1.8);
     ( 532437.7, 4256313.8,     103.1,     832.0,       1.8);
( 532389.8, 4256310.8,     102.3,     832.0,       1.8);
     ( 532404.8, 4256293.0,     102.1,     832.0,       1.8);
( 532175.2, 4256196.1,     105.1,     832.0,       1.8);
     ( 532165.3, 4256184.9,     104.7,     832.0,       1.8);
( 532120.6, 4256157.1,     100.6,     832.0,       1.8);
     ( 532513.2, 4256183.6,     110.4,     832.0,       1.8);
( 532534.8, 4256190.7,     109.3,     832.0,       1.8);
     ( 532551.4, 4256205.2,     109.0,     832.0,       1.8);
( 532567.5, 4256226.3,     108.6,     832.0,       1.8);
     ( 532577.9, 4256251.6,     108.3,     832.0,       1.8);
( 532423.8, 4256334.4,     103.0,     832.0,       1.8);
     ( 532306.1, 4256321.2,     100.8,     832.0,       1.8);
( 532332.6, 4256344.4,     101.0,     832.0,       1.8);
```

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

(532877.8, 4256188.0, 110.4, 832.0, 1.8);
(532841.8, 4256204.1, 110.6, 832.0, 1.8);
(532812.1, 4256219.0, 110.0, 832.0, 1.8);
(532726.6, 4256157.0, 108.5, 832.0, 1.8);
(532748.9, 4256153.3, 108.9, 832.0, 1.8);
(532768.7, 4256137.2, 109.0, 832.0, 1.8);
(532787.3, 4256123.5, 109.0, 832.0, 1.8);
(532810.9, 4256103.7, 109.6, 832.0, 1.8);
(532799.7, 4256081.4, 111.1, 832.0, 1.8);
(532782.4, 4256066.5, 111.9, 832.0, 1.8);
(532776.2, 4256036.8, 113.5, 832.0, 1.8);
(532746.4, 4256055.4, 113.6, 832.0, 1.8);
(532715.4, 4256075.2, 112.1, 832.0, 1.8);
(532693.1, 4256092.6, 110.9, 832.0, 1.8);
(532709.2, 4256142.1, 108.3, 832.0, 1.8);
(532699.3, 4256121.1, 109.0, 832.0, 1.8);
(532756.9, 4255990.5, 116.7, 832.0, 1.8);
(532737.3, 4255956.1, 120.5, 832.0, 1.8);
(532739.7, 4256007.0, 116.1, 832.0, 1.8);
(532707.1, 4255970.9, 121.3, 832.0, 1.8);
(532687.0, 4255986.9, 120.9, 832.0, 1.8);
(532663.3, 4256007.0, 120.6, 832.0, 1.8);
(532643.2, 4256024.2, 120.2, 832.0, 1.8);
(532622.5, 4256040.8, 120.1, 832.0, 1.8);
(532597.0, 4256054.4, 118.9, 832.0, 1.8);
(532571.6, 4256061.5, 119.2, 832.0, 1.8);

```
     ( 532536.7, 4256078.1,     118.8,     832.0,       1.8);
( 532501.2, 4256097.0,     118.5,     832.0,       1.8);
     ( 532489.3, 4256120.1,     116.8,     832.0,       1.8);
( 532500.0, 4256142.0,     114.2,     832.0,       1.8);
     ( 532511.2, 4256140.2,     113.9,     832.0,       1.8);
( 532530.8, 4256123.8,     114.2,     832.0,       1.8);
     ( 532551.5, 4256111.3,     114.6,     832.0,       1.8);
( 532575.2, 4256091.0,     115.8,     832.0,       1.8);
     ( 532604.8, 4256074.3,     116.5,     832.0,       1.8);
( 532648.3, 4256054.3,     116.1,     832.0,       1.8);
     ( 532685.2, 4256040.2,     116.2,     832.0,       1.8);
( 532708.3, 4256027.2,     116.6,     832.0,       1.8);
     ( 532560.4, 4255753.8,     105.2,     832.0,       1.8);
( 532538.8, 4255727.9,     107.4,     832.0,       1.8);
     ( 532492.7, 4255784.0,     105.2,     832.0,       1.8);
( 532391.8, 4255828.7,     102.6,     832.0,       1.8);
     ( 532435.1, 4255808.5,     103.5,     832.0,       1.8);
( 532492.7, 4255748.0,     107.6,     832.0,       1.8);
     ( 532678.5, 4255861.8,     124.0,     832.0,       1.8);
( 532644.0, 4255815.8,     114.9,     832.0,       1.8);
     ( 532589.2, 4255838.8,     112.3,     832.0,       1.8);
( 532618.0, 4255896.4,     126.3,     832.0,       1.8);
     ( 532582.0, 4255932.5,     130.3,     832.0,       1.8);
( 532548.9, 4255944.0,     131.1,     832.0,       1.8);
     ( 532498.4, 4255961.3,     131.5,     832.0,       1.8);
( 532452.3, 4255982.9,     128.9,     832.0,       1.8);
     ( 532400.5, 4255931.0,     111.3,     832.0,       1.8);
( 532455.2, 4255923.8,     117.8,     832.0,       1.8);
     ( 532491.2, 4255905.1,     119.9,     832.0,       1.8);
( 532518.6, 4255887.8,     116.8,     832.0,       1.8);
     ( 532547.4, 4255867.6,     114.1,     832.0,       1.8);

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE  80
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

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

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
```

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1
1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

Surface file: ..\724957\724957.SFC Met Version: 14134
Profile file: ..\724957\724957.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23213 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

```
 09 01 01   1 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.9    2.0
 09 01 01   1 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.2    2.0
 09 01 01   1 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.9    2.0
 09 01 01   1 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  280.4    2.0
 09 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  280.4    2.0
 09 01 01   1 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  280.4    2.0
 09 01 01   1 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  280.4    2.0
 09 01 01   1 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  280.4    2.0
 09 01 01   1 09 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   0.42    0.00    0.   10.0  280.9    2.0
 09 01 01   1 10   17.5 -9.000 -9.000 -9.000  157. -999. -99999.0
0.03   0.74   0.29    0.00    0.   10.0  282.0    2.0
 09 01 01   1 11   32.5 -9.000 -9.000 -9.000  263. -999. -99999.0
0.03   0.74   0.24    0.00    0.   10.0  283.1    2.0
 09 01 01   1 12   82.0 -9.000 -9.000 -9.000  426. -999. -99999.0
0.03   0.74   0.22    0.00    0.   10.0  284.9    2.0
 09 01 01   1 13   87.8  0.208  1.039  0.016  462.  228.     -9.3
0.03   0.74   0.22    2.36  999.   10.0  285.9    2.0
 09 01 01   1 14   74.7  0.288  1.001  0.015  485.  371.    -28.9
0.05   0.74   0.23    3.36  159.   10.0  285.4    2.0
 09 01 01   1 15   49.4  0.351  0.880  0.015  499.  499.    -79.2
0.05   0.74   0.26    4.36  162.   10.0  283.8    2.0
 09 01 01   1 16   12.7  0.265  0.561  0.015  502.  331.   -132.2
0.05   0.74   0.34    3.36  164.   10.0  282.5    2.0
 09 01 01   1 17   -7.2  0.089 -9.000 -9.000 -999.  102.      8.8
0.05   0.74   0.57    2.36  171.   10.0  281.4    2.0
 09 01 01   1 18   -8.3  0.089 -9.000 -9.000 -999.   64.      7.7
0.05   0.74   1.00    2.36  177.   10.0  279.9    2.0
 09 01 01   1 19   -4.3  0.066 -9.000 -9.000 -999.   41.      6.1
0.05   0.74   1.00    1.76  164.   10.0  278.8    2.0
 09 01 01   1 20  -10.5  0.183 -9.000 -9.000 -999.  188.     52.9
0.05   0.74   1.00    2.86  127.   10.0  278.8    2.0
 09 01 01   1 21   -7.6  0.133 -9.000 -9.000 -999.  117.     27.9
0.05   0.74   1.00    2.36  120.   10.0  278.8    2.0
 09 01 01   1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  278.8    2.0
 09 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.2    2.0
 09 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.2    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532862.29	4256047.72	0.00007	532839.56	4256029.53	0.00008
532820.46	4255995.88	0.00008	532825.92	4255944.04	0.00006
532789.54	4255936.77	0.00007	532768.62	4255908.57	0.00006
532752.25	4255856.74	0.00004	532784.99	4255815.81	0.00004
532752.41	4255882.75	0.00005	532771.07	4255831.73	0.00004
532801.39	4255883.33	0.00005	532815.67	4255858.55	0.00004
532829.67	4255901.70	0.00005	532846.58	4255878.38	0.00004
532864.66	4255855.93	0.00004	532838.12	4255838.72	0.00004
532866.42	4255959.35	0.00005	532871.67	4255990.02	0.00006

```
         532871.67    4255933.93        0.00005
532882.16    4255912.94        0.00004
         532899.11    4255889.13        0.00003
532916.87    4255985.98        0.00004
         532930.18    4255965.00        0.00004
532916.46    4255866.54        0.00003
         532930.18    4255845.95        0.00003
532944.71    4255935.95        0.00003
         532958.43    4255906.08        0.00003
532970.94    4255886.31        0.00002
         532946.32    4255819.72        0.00002
532991.12    4255858.46        0.00002
         533010.89    4255843.13        0.00002
532884.58    4255809.23        0.00003
         532851.89    4255793.49        0.00003
532824.05    4255791.48        0.00003
         533034.30    4255820.94        0.00002
533054.47    4255804.39        0.00001
         532909.20    4256052.57        0.00005
532944.71    4256040.06        0.00004
         532966.50    4256021.09        0.00003
532997.98    4256021.90        0.00003
         532950.36    4256084.85        0.00005
532990.71    4256062.25        0.00003
         533036.72    4256020.29        0.00002
533057.70    4256017.06        0.00002
         533018.96    4255976.70        0.00002
533047.61    4255967.02        0.00002
         532985.47    4255968.23        0.00003
533002.01    4255941.59        0.00002
         533019.77    4255916.58        0.00002
533030.26    4255895.99        0.00002
         533059.72    4255876.22        0.00002
533068.19    4255956.12        0.00002
         533085.55    4256006.57        0.00002
533113.79    4255991.23        0.00001
         533090.79    4255942.81        0.00001
533138.01    4255979.93        0.00001
         533115.01    4255927.07        0.00001
533156.17    4255967.02        0.00001
         533137.20    4255912.14        0.00001
532524.44    4256235.64        0.00029
         532509.17    4256223.67        0.00027
532492.71    4256241.32        0.00019
         532478.35    4256259.28        0.00016
532464.28    4256274.25        0.00014
         532544.49    4256258.08        0.00029
532451.71    4256294.90        0.00013
         532437.65    4256313.75        0.00013
532389.76    4256310.76        0.00008
         532404.75    4256293.03        0.00009
532175.23    4256196.06        0.00001
```

```
         532165.28    4256184.87        0.00001
532120.55    4256157.12        0.00001
         532513.25    4256183.63        0.00052
532534.79    4256190.67        0.00069
         532551.36    4256205.17        0.00054
532567.51    4256226.30        0.00041
         532577.87    4256251.57        0.00035
532423.77    4256334.42        0.00013
         532306.13    4256321.16        0.00005
532332.64    4256344.36        0.00006

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:32:16

PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

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

                                          *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)        CONC                      X-
COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532365.78    4256346.43        0.00009
532374.89    4256332.34        0.00008
         532393.12    4256371.28        0.00013
532404.72    4256354.71        0.00012
         532556.33    4256278.08        0.00029
532219.49    4255941.37        0.00001
         532133.49    4256010.18        0.00001
532834.40    4256230.11        0.00024
         532856.70    4256218.96        0.00016
532882.73    4256205.33        0.00011
         532877.77    4256187.98        0.00011
532841.83    4256204.09        0.00019
```

```
         532812.10    4256218.96        0.00036
532726.60    4256157.00        0.00091
         532748.90    4256153.28        0.00054
532768.73    4256137.18        0.00034
         532787.31    4256123.54        0.00024
532810.86    4256103.72        0.00016
         532799.70    4256081.41        0.00015
532782.36    4256066.55        0.00015
         532776.16    4256036.81        0.00013
532746.42    4256055.39        0.00018
         532715.44    4256075.22        0.00032
532693.14    4256092.57        0.00063
         532709.25    4256142.13        0.00113
532699.34    4256121.07        0.00098
         532756.85    4255990.46        0.00010
532737.31    4255956.13        0.00008
         532739.68    4256007.03        0.00013
532707.13    4255970.93        0.00010
         532687.00    4255986.91        0.00012
532663.33    4256007.03        0.00015
         532643.20    4256024.20        0.00018
532622.49    4256040.77        0.00021
         532597.04    4256054.38        0.00022
532571.59    4256061.49        0.00018
         532536.67    4256078.06        0.00013
532501.15    4256097.00        0.00009
         532489.32    4256120.08        0.00010
532499.97    4256141.98        0.00018
         532511.22    4256140.20        0.00028
532530.82    4256123.84        0.00038
         532551.53    4256111.32        0.00045
532575.21    4256090.96        0.00039
         532604.80    4256074.32        0.00040
532648.30    4256054.30        0.00040
         532685.23    4256040.18        0.00026
532708.31    4256027.16        0.00018
         532560.39    4255753.80        0.00002
532538.78    4255727.86        0.00001
         532492.68    4255784.05        0.00002
532391.83    4255828.71        0.00001
         532435.05    4255808.54        0.00001
532492.68    4255748.03        0.00001
         532678.53    4255861.85        0.00004
532643.96    4255815.75        0.00003
         532589.21    4255838.80        0.00003
532618.02    4255896.43        0.00004
         532582.00    4255932.45        0.00004
532548.87    4255943.97        0.00004
         532498.44    4255961.26        0.00003
532452.34    4255982.87        0.00002
         532400.47    4255931.01        0.00002
532455.22    4255923.80        0.00002
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: AREA ***
INCLUDING SOURCE(S):
PAREA4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532491.24	4255905.07	0.00002			
532518.61	4255887.79	0.00003			
532547.43	4255867.61	0.00003			
532862.29	4256047.72	0.71357			
532839.56	4256029.53	0.76057			
532820.46	4255995.88	0.80053			
532825.92	4255944.04	0.74039			
532789.54	4255936.77	0.89294			
532768.62	4255908.57	0.98946			
532752.25	4255856.74	1.10500			
532784.99	4255815.81	0.93898			
532752.41	4255882.75	1.09301			
532771.07	4255831.73	1.00631			
532801.39	4255883.33	0.83360			
532815.67	4255858.55	0.78045			
532829.67	4255901.70	0.71694			
532846.58	4255878.38	0.66213			
532864.66	4255855.93	0.61339			
532838.12	4255838.72	0.70214			
532866.42	4255959.35	0.60322			
532871.67	4255990.02	0.60559			
532871.67	4255933.93	0.58024			
532882.16	4255912.94	0.55128			
532899.11	4255889.13	0.50640			
532916.87	4255985.98	0.48276			
532930.18	4255965.00	0.44200			
532916.46	4255866.54	0.46617			

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         532930.18    4255845.95        0.43788
532944.71    4255935.95        0.40377
         532958.43    4255906.08        0.37213
532970.94    4255886.31        0.34815
         532946.32    4255819.72        0.40968
532991.12    4255858.46        0.32218
         533010.89    4255843.13        0.29871
532884.58    4255809.23        0.54164
         532851.89    4255793.49        0.63271
532824.05    4255791.48        0.76207
         533034.30    4255820.94        0.27322
533054.47    4255804.39        0.25281
         532909.20    4256052.57        0.59059
532944.71    4256040.06        0.49036
         532966.50    4256021.09        0.42974
532997.98    4256021.90        0.39064
         532950.36    4256084.85        0.55901
532990.71    4256062.25        0.45002
         533036.72    4256020.29        0.34148
533057.70    4256017.06        0.31698
         533018.96    4255976.70        0.32747
533047.61    4255967.02        0.29111
         532985.47    4255968.23        0.35836
533002.01    4255941.59        0.32041
         533019.77    4255916.58        0.28961
533030.26    4255895.99        0.27408
         533059.72    4255876.22        0.24387
533068.19    4255956.12        0.26729
         533085.55    4256006.57        0.28761
533113.79    4255991.23        0.26000
         533090.79    4255942.81        0.24659
533138.01    4255979.93        0.23971
         533115.01    4255927.07        0.22598
533156.17    4255967.02        0.22326
         533137.20    4255912.14        0.20833
532524.44    4256235.64       15.81572
         532509.17    4256223.67       21.29159
532492.71    4256241.32       24.48958
         532478.35    4256259.28       25.18163
532464.28    4256274.25       25.84311
         532544.49    4256258.08       11.48073
532451.71    4256294.90       24.37509
         532437.65    4256313.75       23.34744
532389.76    4256310.76       32.44966
         532404.75    4256293.03       34.96110
532175.23    4256196.06       12.39141
         532165.28    4256184.87        9.78755
532120.55    4256157.12        3.00527
         532513.25    4256183.63       22.26592
532534.79    4256190.67       14.86596
         532551.36    4256205.17       11.64135
532567.51    4256226.30        9.40536
```

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION   VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: AREA   ***
                                  INCLUDING SOURCE(S):
PAREA4   ,

                                                *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)   CONC   X-
COORD (M)   Y-COORD (M)   CONC
 -
- -
         532365.78   4256346.43   25.48959
532374.89   4256332.34   28.27475
         532393.12   4256371.28   18.92774
532404.72   4256354.71   20.57136
         532556.33   4256278.08   9.53705
532219.49   4255941.37   2.98796
         532133.49   4256010.18   1.31500
532834.40   4256230.11   1.27371
         532856.70   4256218.96   1.11643
532882.73   4256205.33   0.96175
         532877.77   4256187.98   0.95099
532841.83   4256204.09   1.16861
         532812.10   4256218.96   1.40400
532726.60   4256157.00   2.01718
         532748.90   4256153.28   1.73398
532768.73   4256137.18   1.47394
         532787.31   4256123.54   1.27957
532810.86   4256103.72   1.07267
         532799.70   4256081.41   1.07224
532782.36   4256066.55   1.12893
         532776.16   4256036.81   1.07989
532746.42   4256055.39   1.32208
         532715.44   4256075.22   1.70791
532693.14   4256092.57   2.09641

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         532709.25    4256142.13        2.16813
532699.34    4256121.07        2.17906
         532756.85    4255990.46        1.10428
532737.31    4255956.13        1.18665
         532739.68    4256007.03        1.24750
532707.13    4255970.93        1.43256
         532687.00    4255986.91        1.66389
532663.33    4256007.03        2.01424
         532643.20    4256024.20        2.41846
532622.49    4256040.77        2.96297
         532597.04    4256054.38        3.95178
532571.59    4256061.49        5.27028
         532536.67    4256078.06        8.68327
532501.15    4256097.00       16.52320
         532489.32    4256120.08       25.61504
532499.97    4256141.98       24.74772
         532511.22    4256140.20       19.01712
532530.82    4256123.84       12.31184
         532551.53    4256111.32        8.49261
532575.21    4256090.96        5.75667
         532604.80    4256074.32        3.93035
532648.30    4256054.30        2.54624
         532685.23    4256040.18        1.86252
532708.31    4256027.16        1.54965
         532560.39    4255753.80        2.78138
532538.78    4255727.86        2.70364
         532492.68    4255784.05        3.84164
532391.83    4255828.71        5.30576
         532435.05    4255808.54        4.76451
532492.68    4255748.03        3.24000
         532678.53    4255861.85        1.69172
532643.96    4255815.75        2.19790
         532589.21    4255838.80        3.19501
532618.02    4255896.43        2.50720
         532582.00    4255932.45        3.21235
532548.87    4255943.97        4.15903
         532498.44    4255961.26        6.35284
532452.34    4255982.87       10.52187
         532400.47    4255931.01       15.93949
532455.22    4255923.80        9.40153
         532491.24    4255905.07        6.56528
532518.61    4255887.79        5.39472
         532547.43    4255867.61        4.35347

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
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***        22:32:16

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532862.29	4256047.72	0.71364	532839.56	4256029.53	0.76065
532820.46	4255995.88	0.80061	532825.92	4255944.04	0.74045
532789.54	4255936.77	0.89301	532768.62	4255908.57	0.98952
532752.25	4255856.74	1.10504	532784.99	4255815.81	0.93902
532752.41	4255882.75	1.09306	532771.07	4255831.73	1.00635
532801.39	4255883.33	0.83364	532815.67	4255858.55	0.78049
532829.67	4255901.70	0.71699	532846.58	4255878.38	0.66217
532864.66	4255855.93	0.61342	532838.12	4255838.72	0.70218
532866.42	4255959.35	0.60327	532871.67	4255990.02	0.60564
532871.67	4255933.93	0.58028	532882.16	4255912.94	0.55132
532899.11	4255889.13	0.50644	532916.87	4255985.98	0.48280
532930.18	4255965.00	0.44204	532916.46	4255866.54	0.46620
532930.18	4255845.95	0.43791	532944.71	4255935.95	0.40380
532958.43	4255906.08	0.37216	532970.94	4255886.31	0.34818
532946.32	4255819.72	0.40971	532991.12	4255858.46	0.32220

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         533010.89    4255843.13        0.29873
532884.58    4255809.23        0.54166
         532851.89    4255793.49        0.63274
532824.05    4255791.48        0.76210
         533034.30    4255820.94        0.27324
533054.47    4255804.39        0.25283
         532909.20    4256052.57        0.59064
532944.71    4256040.06        0.49040
         532966.50    4256021.09        0.42977
532997.98    4256021.90        0.39066
         532950.36    4256084.85        0.55906
532990.71    4256062.25        0.45005
         533036.72    4256020.29        0.34151
533057.70    4256017.06        0.31700
         533018.96    4255976.70        0.32749
533047.61    4255967.02        0.29113
         532985.47    4255968.23        0.35839
533002.01    4255941.59        0.32043
         533019.77    4255916.58        0.28963
533030.26    4255895.99        0.27409
         533059.72    4255876.22        0.24388
533068.19    4255956.12        0.26731
         533085.55    4256006.57        0.28762
533113.79    4255991.23        0.26001
         533090.79    4255942.81        0.24661
533138.01    4255979.93        0.23972
         533115.01    4255927.07        0.22599
533156.17    4255967.02        0.22327
         533137.20    4255912.14        0.20834
532524.44    4256235.64       15.81601
         532509.17    4256223.67       21.29186
532492.71    4256241.32       24.48977
         532478.35    4256259.28       25.18178
532464.28    4256274.25       25.84324
         532544.49    4256258.08       11.48102
532451.71    4256294.90       24.37522
         532437.65    4256313.75       23.34757
532389.76    4256310.76       32.44974
         532404.75    4256293.03       34.96118
532175.23    4256196.06       12.39142
         532165.28    4256184.87        9.78756
532120.55    4256157.12        3.00528
         532513.25    4256183.63       22.26644
532534.79    4256190.67       14.86665
         532551.36    4256205.17       11.64189
532567.51    4256226.30        9.40577
         532577.87    4256251.57        8.17149
532423.77    4256334.42       21.77579
         532306.13    4256321.16       33.85727
532332.64    4256344.36       27.42933
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532365.78	4256346.43	25.48968	532374.89	4256332.34	28.27483
532393.12	4256371.28	18.92787	532404.72	4256354.71	20.57148
532556.33	4256278.08	9.53734	532219.49	4255941.37	2.98797
532133.49	4256010.18	1.31501	532834.40	4256230.11	1.27395
532856.70	4256218.96	1.11659	532882.73	4256205.33	0.96186
532877.77	4256187.98	0.95110	532841.83	4256204.09	1.16880
532812.10	4256218.96	1.40435	532726.60	4256157.00	2.01809
532748.90	4256153.28	1.73452	532768.73	4256137.18	1.47428
532787.31	4256123.54	1.27981	532810.86	4256103.72	1.07283
532799.70	4256081.41	1.07239	532782.36	4256066.55	1.12909
532776.16	4256036.81	1.08001	532746.42	4256055.39	1.32226

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         532715.44    4256075.22        1.70823
532693.14    4256092.57        2.09704
         532709.25    4256142.13        2.16926
532699.34    4256121.07        2.18004
         532756.85    4255990.46        1.10439
532737.31    4255956.13        1.18673
         532739.68    4256007.03        1.24763
532707.13    4255970.93        1.43266
         532687.00    4255986.91        1.66402
532663.33    4256007.03        2.01439
         532643.20    4256024.20        2.41864
532622.49    4256040.77        2.96318
         532597.04    4256054.38        3.95199
532571.59    4256061.49        5.27046
         532536.67    4256078.06        8.68341
532501.15    4256097.00       16.52329
         532489.32    4256120.08       25.61513
532499.97    4256141.98       24.74790
         532511.22    4256140.20       19.01740
532530.82    4256123.84       12.31222
         532551.53    4256111.32        8.49307
532575.21    4256090.96        5.75705
         532604.80    4256074.32        3.93075
532648.30    4256054.30        2.54664
         532685.23    4256040.18        1.86278
532708.31    4256027.16        1.54984
         532560.39    4255753.80        2.78140
532538.78    4255727.86        2.70366
         532492.68    4255784.05        3.84166
532391.83    4255828.71        5.30578
         532435.05    4255808.54        4.76452
532492.68    4255748.03        3.24002
         532678.53    4255861.85        1.69176
532643.96    4255815.75        2.19793
         532589.21    4255838.80        3.19504
532618.02    4255896.43        2.50724
         532582.00    4255932.45        3.21239
532548.87    4255943.97        4.15906
         532498.44    4255961.26        6.35287
532452.34    4255982.87       10.52190
         532400.47    4255931.01       15.93950
532455.22    4255923.80        9.40155
         532491.24    4255905.07        6.56531
532518.61    4255887.79        5.39474
         532547.43    4255867.61        4.35349

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc          ***        09/25/17
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***        22:32:16
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

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

NETWORK GROUP ID	AVERAGE CONC		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
LINE	1ST HIGHEST VALUE IS	0.00113	AT (532709.25, 4256142.13, 108.30, 832.00, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.00098	AT (532699.34, 4256121.07, 108.97, 832.00, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.00091	AT (532726.60, 4256157.00, 108.49, 832.00, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.00069	AT (532534.79, 4256190.67, 109.33, 832.00, 1.80)	DC	
	5TH HIGHEST VALUE IS	0.00063	AT (532693.14, 4256092.57, 110.94, 832.00, 1.80)	DC	
	6TH HIGHEST VALUE IS	0.00054	AT (532748.90, 4256153.28, 108.89, 832.00, 1.80)	DC	
	7TH HIGHEST VALUE IS	0.00054	AT (532551.36, 4256205.17, 109.00, 832.00, 1.80)	DC	
	8TH HIGHEST VALUE IS	0.00052	AT (532513.25, 4256183.63, 110.37, 832.00, 1.80)	DC	
	9TH HIGHEST VALUE IS	0.00045	AT (532551.53, 4256111.32, 114.58, 832.00, 1.80)	DC	
	10TH HIGHEST VALUE IS	0.00041	AT (532567.51, 4256226.30, 108.64, 832.00, 1.80)	DC	
AREA	1ST HIGHEST VALUE IS	34.96110	AT (532404.75, 4256293.03, 102.15, 832.00, 1.80)	DC	
	2ND HIGHEST VALUE IS	33.85723	AT (532306.13, 4256321.16, 100.75, 832.00, 1.80)	DC	
	3RD HIGHEST VALUE IS	32.44966	AT (532389.76, 4256310.76, 102.26, 832.00, 1.80)	DC	
	4TH HIGHEST VALUE IS	28.27475	AT (532374.89, 4256332.34, 102.04, 832.00, 1.80)	DC	
	5TH HIGHEST VALUE IS	27.42927	AT (532332.64, 4256344.36, 101.00, 832.00, 1.80)	DC	
	6TH HIGHEST VALUE IS	25.84311	AT (532464.28, 4256274.25, 104.74, 832.00, 1.80)	DC	
	7TH HIGHEST VALUE IS	25.61504	AT (532489.32, 4256120.08, 116.78, 832.00, 1.80)	DC	

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          8TH HIGHEST VALUE IS      25.48959 AT (  532365.78,
4256346.43,   101.74,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS      25.18163 AT (  532478.35,
4256259.28,   105.72,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS      24.74772 AT (  532499.97,
4256141.98,   114.20,   832.00,    1.80)  DC

ALL       1ST HIGHEST VALUE IS      34.96118 AT (  532404.75,
4256293.03,   102.15,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS      33.85727 AT (  532306.13,
4256321.16,   100.75,   832.00,    1.80)  DC
          3RD HIGHEST VALUE IS      32.44974 AT (  532389.76,
4256310.76,   102.26,   832.00,    1.80)  DC
          4TH HIGHEST VALUE IS      28.27483 AT (  532374.89,
4256332.34,   102.04,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS      27.42933 AT (  532332.64,
4256344.36,   101.00,   832.00,    1.80)  DC
          6TH HIGHEST VALUE IS      25.84324 AT (  532464.28,
4256274.25,   104.74,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS      25.61513 AT (  532489.32,
4256120.08,   116.78,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS      25.48968 AT (  532365.78,
4256346.43,   101.74,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS      25.18178 AT (  532478.35,
4256259.28,   105.72,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS      24.74790 AT (  532499.97,
4256141.98,   114.20,   832.00,    1.80)  DC


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

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of        18866 Informational Message(s)

 A Total of        43872 Hours Were Processed
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 A Total of        16971 Calm Hours Identified

 A Total of         1895 Missing Hours Identified (  4.32 Percent)


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


    ********   WARNING MESSAGES   ********
 MX W481   43873         MAIN: Data Remaining After End of Year.
Number of Hours=           48

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.5.0
** Lakes Environmental Software Inc.
** Date: 9/25/2017
** File: F:\WORK\2498.0008 Elnoka Village HRA\Elnoka Phase IV\Elnoka
Phase IV.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\xli\Desktop\Elnoka Vilage HRA\Elnoka Vilage
HRA.isc
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 10000000
   POLLUTID DPM
   FLAGPOLE 1.80
   RUNORNOT RUN
   ERRORFIL "Elnoka Phase IV.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ---------------------------------------------------------------------
--
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0001
** Elevated
** Vertical Dimension = 6.22
** SZINIT = 1.45
** Nodes = 5
** 532391.834, 4256123.168, 122.17, 3.11, 6.51
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** 532446.779, 4256202.931, 111.15, 3.11, 6.51
** 532649.140, 4256085.414, 113.10, 3.11, 6.51
** 532774.039, 4256282.362, 110.05, 3.11, 6.51
** 532268.849, 4256587.470, 103.24, 3.11, 6.51
** ------------------------------------------------------------------
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   LOCATION L0000001     VOLUME   532395.805 4256128.933 120.33
   LOCATION L0000002     VOLUME   532403.747 4256140.462 118.79
   LOCATION L0000003     VOLUME   532411.689 4256151.991 117.04
   LOCATION L0000004     VOLUME   532419.631 4256163.520 115.49
   LOCATION L0000005     VOLUME   532427.573 4256175.050 114.15
   LOCATION L0000006     VOLUME   532435.515 4256186.579 112.95
   LOCATION L0000007     VOLUME   532443.457 4256198.108 111.74
   LOCATION L0000008     VOLUME   532453.822 4256198.841 111.59
   LOCATION L0000009     VOLUME   532465.928 4256191.811 111.90
   LOCATION L0000010     VOLUME   532478.035 4256184.780 111.97
   LOCATION L0000011     VOLUME   532490.141 4256177.749 112.03
   LOCATION L0000012     VOLUME   532502.248 4256170.719 111.86
   LOCATION L0000013     VOLUME   532514.355 4256163.688 111.76
   LOCATION L0000014     VOLUME   532526.461 4256156.658 111.82
   LOCATION L0000015     VOLUME   532538.568 4256149.627 111.74
   LOCATION L0000016     VOLUME   532550.675 4256142.596 111.57
   LOCATION L0000017     VOLUME   532562.781 4256135.566 111.98
   LOCATION L0000018     VOLUME   532574.888 4256128.535 112.37
   LOCATION L0000019     VOLUME   532586.994 4256121.504 112.53
   LOCATION L0000020     VOLUME   532599.101 4256114.474 112.68
   LOCATION L0000021     VOLUME   532611.208 4256107.443 112.98
   LOCATION L0000022     VOLUME   532623.314 4256100.412 113.60
   LOCATION L0000023     VOLUME   532635.421 4256093.382 112.31
   LOCATION L0000024     VOLUME   532647.527 4256086.351 112.88
   LOCATION L0000025     VOLUME   532655.639 4256095.662 111.80
   LOCATION L0000026     VOLUME   532663.137 4256107.485 110.70
   LOCATION L0000027     VOLUME   532670.635 4256119.308 109.82
   LOCATION L0000028     VOLUME   532678.133 4256131.131 108.95
   LOCATION L0000029     VOLUME   532685.630 4256142.954 108.19
   LOCATION L0000030     VOLUME   532693.128 4256154.777 108.00
   LOCATION L0000031     VOLUME   532700.626 4256166.600 108.00
   LOCATION L0000032     VOLUME   532708.124 4256178.423 108.00
   LOCATION L0000033     VOLUME   532715.622 4256190.246 108.00
   LOCATION L0000034     VOLUME   532723.120 4256202.069 108.00
   LOCATION L0000035     VOLUME   532730.617 4256213.892 108.22
   LOCATION L0000036     VOLUME   532738.115 4256225.715 108.70
   LOCATION L0000037     VOLUME   532745.613 4256237.538 109.00
   LOCATION L0000038     VOLUME   532753.111 4256249.361 109.00
   LOCATION L0000039     VOLUME   532760.609 4256261.184 109.00
   LOCATION L0000040     VOLUME   532768.106 4256273.007 109.33
   LOCATION L0000041     VOLUME   532771.537 4256283.873 109.69
   LOCATION L0000042     VOLUME   532759.553 4256291.110 109.71
   LOCATION L0000043     VOLUME   532747.569 4256298.348 109.50
   LOCATION L0000044     VOLUME   532735.585 4256305.586 109.35
   LOCATION L0000045     VOLUME   532723.601 4256312.824 109.36
   LOCATION L0000046     VOLUME   532711.617 4256320.061 109.21
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   LOCATION L0000047     VOLUME   532699.633 4256327.299 109.03
   LOCATION L0000048     VOLUME   532687.649 4256334.537 109.27
   LOCATION L0000049     VOLUME   532675.665 4256341.774 109.51
   LOCATION L0000050     VOLUME   532663.681 4256349.012 109.50
   LOCATION L0000051     VOLUME   532651.697 4256356.250 109.26
   LOCATION L0000052     VOLUME   532639.713 4256363.487 109.00
   LOCATION L0000053     VOLUME   532627.729 4256370.725 109.00
   LOCATION L0000054     VOLUME   532615.745 4256377.963 109.00
   LOCATION L0000055     VOLUME   532603.761 4256385.201 108.67
   LOCATION L0000056     VOLUME   532591.778 4256392.438 108.27
   LOCATION L0000057     VOLUME   532579.794 4256399.676 107.67
   LOCATION L0000058     VOLUME   532567.810 4256406.914 106.77
   LOCATION L0000059     VOLUME   532555.826 4256414.151 106.07
   LOCATION L0000060     VOLUME   532543.842 4256421.389 105.56
   LOCATION L0000061     VOLUME   532531.858 4256428.627 105.25
   LOCATION L0000062     VOLUME   532519.874 4256435.865 105.21
   LOCATION L0000063     VOLUME   532507.890 4256443.102 105.31
   LOCATION L0000064     VOLUME   532495.906 4256450.340 105.20
   LOCATION L0000065     VOLUME   532483.922 4256457.578 105.25
   LOCATION L0000066     VOLUME   532471.938 4256464.815 105.17
   LOCATION L0000067     VOLUME   532459.954 4256472.053 105.00
   LOCATION L0000068     VOLUME   532447.970 4256479.291 105.05
   LOCATION L0000069     VOLUME   532435.986 4256486.528 105.03
   LOCATION L0000070     VOLUME   532424.002 4256493.766 104.86
   LOCATION L0000071     VOLUME   532412.018 4256501.004 104.87
   LOCATION L0000072     VOLUME   532400.034 4256508.242 104.89
   LOCATION L0000073     VOLUME   532388.050 4256515.479 104.64
   LOCATION L0000074     VOLUME   532376.066 4256522.717 104.58
   LOCATION L0000075     VOLUME   532364.082 4256529.955 104.53
   LOCATION L0000076     VOLUME   532352.098 4256537.192 104.30
   LOCATION L0000077     VOLUME   532340.114 4256544.430 104.23
   LOCATION L0000078     VOLUME   532328.130 4256551.668 104.24
   LOCATION L0000079     VOLUME   532316.146 4256558.905 104.06
   LOCATION L0000080     VOLUME   532304.162 4256566.143 104.00
   LOCATION L0000081     VOLUME   532292.178 4256573.381 103.83
   LOCATION L0000082     VOLUME   532280.194 4256580.619 103.47
** End of LINE VOLUME Source ID = SLINE1
   LOCATION PAREA3       AREAPOLY   532736.503  4255934.957
121.820
** DESCRSRC Phase IV area
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000002     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000003     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000004     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000005     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000006     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000007     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000008     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000009     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000010     0.00000122      3.11      6.51      1.45
```

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SRCPARAM L0000011     0.00000122      3.11      6.51      1.45
SRCPARAM L0000012     0.00000122      3.11      6.51      1.45
SRCPARAM L0000013     0.00000122      3.11      6.51      1.45
SRCPARAM L0000014     0.00000122      3.11      6.51      1.45
SRCPARAM L0000015     0.00000122      3.11      6.51      1.45
SRCPARAM L0000016     0.00000122      3.11      6.51      1.45
SRCPARAM L0000017     0.00000122      3.11      6.51      1.45
SRCPARAM L0000018     0.00000122      3.11      6.51      1.45
SRCPARAM L0000019     0.00000122      3.11      6.51      1.45
SRCPARAM L0000020     0.00000122      3.11      6.51      1.45
SRCPARAM L0000021     0.00000122      3.11      6.51      1.45
SRCPARAM L0000022     0.00000122      3.11      6.51      1.45
SRCPARAM L0000023     0.00000122      3.11      6.51      1.45
SRCPARAM L0000024     0.00000122      3.11      6.51      1.45
SRCPARAM L0000025     0.00000122      3.11      6.51      1.45
SRCPARAM L0000026     0.00000122      3.11      6.51      1.45
SRCPARAM L0000027     0.00000122      3.11      6.51      1.45
SRCPARAM L0000028     0.00000122      3.11      6.51      1.45
SRCPARAM L0000029     0.00000122      3.11      6.51      1.45
SRCPARAM L0000030     0.00000122      3.11      6.51      1.45
SRCPARAM L0000031     0.00000122      3.11      6.51      1.45
SRCPARAM L0000032     0.00000122      3.11      6.51      1.45
SRCPARAM L0000033     0.00000122      3.11      6.51      1.45
SRCPARAM L0000034     0.00000122      3.11      6.51      1.45
SRCPARAM L0000035     0.00000122      3.11      6.51      1.45
SRCPARAM L0000036     0.00000122      3.11      6.51      1.45
SRCPARAM L0000037     0.00000122      3.11      6.51      1.45
SRCPARAM L0000038     0.00000122      3.11      6.51      1.45
SRCPARAM L0000039     0.00000122      3.11      6.51      1.45
SRCPARAM L0000040     0.00000122      3.11      6.51      1.45
SRCPARAM L0000041     0.00000122      3.11      6.51      1.45
SRCPARAM L0000042     0.00000122      3.11      6.51      1.45
SRCPARAM L0000043     0.00000122      3.11      6.51      1.45
SRCPARAM L0000044     0.00000122      3.11      6.51      1.45
SRCPARAM L0000045     0.00000122      3.11      6.51      1.45
SRCPARAM L0000046     0.00000122      3.11      6.51      1.45
SRCPARAM L0000047     0.00000122      3.11      6.51      1.45
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SRCPARAM L0000050     0.00000122      3.11      6.51      1.45
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SRCPARAM L0000052     0.00000122      3.11      6.51      1.45
SRCPARAM L0000053     0.00000122      3.11      6.51      1.45
SRCPARAM L0000054     0.00000122      3.11      6.51      1.45
SRCPARAM L0000055     0.00000122      3.11      6.51      1.45
SRCPARAM L0000056     0.00000122      3.11      6.51      1.45
SRCPARAM L0000057     0.00000122      3.11      6.51      1.45
SRCPARAM L0000058     0.00000122      3.11      6.51      1.45
SRCPARAM L0000059     0.00000122      3.11      6.51      1.45
SRCPARAM L0000060     0.00000122      3.11      6.51      1.45
SRCPARAM L0000061     0.00000122      3.11      6.51      1.45
SRCPARAM L0000062     0.00000122      3.11      6.51      1.45
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   SRCPARAM L0000063     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000064     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000065     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000066     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000067     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000068     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000069     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000070     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000071     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000072     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000073     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000074     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000075     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000076     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000077     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000078     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000079     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000080     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000081     0.00000122      3.11      6.51      1.45
   SRCPARAM L0000082     0.00000122      3.11      6.51      1.45
** ------------------------------------------------------------------
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   SRCPARAM PAREA3          0.0001     5.000        11
   AREAVERT PAREA3       532736.503 4255934.957 532605.418 4255663.177
   AREAVERT PAREA3       532535.606 4255696.074 532424.209 4255781.892
   AREAVERT PAREA3       532402.173 4255809.741 532347.766 4255825.635
   AREAVERT PAREA3       532354.255 4255931.831 532472.744 4256091.079
   AREAVERT PAREA3       532602.416 4256026.599 532672.798 4255976.255
   AREAVERT PAREA3       532697.065 4255952.580
   URBANSRC L0000001
   URBANSRC L0000002
   URBANSRC L0000003
   URBANSRC L0000004
   URBANSRC L0000005
   URBANSRC L0000006
   URBANSRC L0000007
   URBANSRC L0000008
   URBANSRC L0000009
   URBANSRC L0000010
   URBANSRC L0000011
   URBANSRC L0000012
   URBANSRC L0000013
   URBANSRC L0000014
   URBANSRC L0000015
   URBANSRC L0000016
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   URBANSRC L0000018
   URBANSRC L0000019
   URBANSRC L0000020
   URBANSRC L0000021
   URBANSRC L0000022
   URBANSRC L0000023
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URBANSRC L0000024
URBANSRC L0000025
URBANSRC L0000026
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URBANSRC L0000074
URBANSRC L0000075

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   URBANSRC L0000076
   URBANSRC L0000077
   URBANSRC L0000078
   URBANSRC L0000079
   URBANSRC L0000080
   URBANSRC L0000081
   URBANSRC L0000082
   URBANSRC PAREA3

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 2"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000013     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000014     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000015     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000017     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000022     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000022     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000023     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000023     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000068     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000068     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000069     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000071     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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** Sunday:
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EMISFACT L0000053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000061     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000062     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000067     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000070     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000072     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000073     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000074     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000076     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000079     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000080     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000081     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000082     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT PAREA3       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA3       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA3       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA3       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT PAREA3       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA3       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA3       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT PAREA3       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT PAREA3       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA3       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA3       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA3       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Line     L0000001 L0000002 L0000003 L0000004 L0000005
L0000006
   SRCGROUP Line     L0000007 L0000008 L0000009 L0000010 L0000011
L0000012
   SRCGROUP Line     L0000013 L0000014 L0000015 L0000016 L0000017
L0000018
   SRCGROUP Line     L0000019 L0000020 L0000021 L0000022 L0000023
L0000024
   SRCGROUP Line     L0000025 L0000026 L0000027 L0000028 L0000029
L0000030
   SRCGROUP Line     L0000031 L0000032 L0000033 L0000034 L0000035
L0000036
   SRCGROUP Line     L0000037 L0000038 L0000039 L0000040 L0000041
L0000042
   SRCGROUP Line     L0000043 L0000044 L0000045 L0000046 L0000047
L0000048
   SRCGROUP Line     L0000049 L0000050 L0000051 L0000052 L0000053
L0000054
   SRCGROUP Line     L0000055 L0000056 L0000057 L0000058 L0000059
L0000060
   SRCGROUP Line     L0000061 L0000062 L0000063 L0000064 L0000065
L0000066
   SRCGROUP Line     L0000067 L0000068 L0000069 L0000070 L0000071
L0000072
   SRCGROUP Line     L0000073 L0000074 L0000075 L0000076 L0000077
L0000078
   SRCGROUP Line     L0000079 L0000080 L0000081 L0000082
```

```
   SRCGROUP area     PAREA3
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "Elnoka Phase IV.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\724957\724957.SFC
   PROFFILE ..\724957\724957.PFL
   SURFDATA 23213 2009
   UAIRDATA 23230 2009 OAKLAND/WSO_AP
   PROFBASE 34.8 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "ELNOKA PHASE IV.AD\AN00GALL.PLT" 31
   PLOTFILE ANNUAL Line "ELNOKA PHASE IV.AD\AN00G001.PLT" 32
   PLOTFILE ANNUAL area "ELNOKA PHASE IV.AD\AN00G002.PLT" 33
   SUMMFILE "Elnoka Phase IV.sum"
OU FINISHED

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


 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

```
                                        ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

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

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

 **Model Uses URBAN Dispersion Algorithm for the SBL for    83
Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =  10000000.0 ;  Urban Roughness Length =  1.000 m

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

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

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:     83 Source(s);       3 Source Group(s); and
128 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     82 VOLUME source(s)
                 and:      1 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


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

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

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =
34.80 ;  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.

 **Detailed Error/Message File:   Elnoka Phase IV.err
 **File for Summary of Results:   Elnoka Phase IV.sum

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN


                                                    *** VOLUME SOURCE
DATA ***

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

 L0000001         0   0.12200E-05  532395.8 4256128.9   120.3     3.11
6.51     1.45     YES   HRDOW
 L0000002         0   0.12200E-05  532403.7 4256140.5   118.8     3.11
6.51     1.45     YES   HRDOW
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 L0000003         0   0.12200E-05  532411.7 4256152.0   117.0     3.11
6.51     1.45     YES   HRDOW
 L0000004         0   0.12200E-05  532419.6 4256163.5   115.5     3.11
6.51     1.45     YES   HRDOW
 L0000005         0   0.12200E-05  532427.6 4256175.0   114.1     3.11
6.51     1.45     YES   HRDOW
 L0000006         0   0.12200E-05  532435.5 4256186.6   113.0     3.11
6.51     1.45     YES   HRDOW
 L0000007         0   0.12200E-05  532443.5 4256198.1   111.7     3.11
6.51     1.45     YES   HRDOW
 L0000008         0   0.12200E-05  532453.8 4256198.8   111.6     3.11
6.51     1.45     YES   HRDOW
 L0000009         0   0.12200E-05  532465.9 4256191.8   111.9     3.11
6.51     1.45     YES   HRDOW
 L0000010         0   0.12200E-05  532478.0 4256184.8   112.0     3.11
6.51     1.45     YES   HRDOW
 L0000011         0   0.12200E-05  532490.1 4256177.7   112.0     3.11
6.51     1.45     YES   HRDOW
 L0000012         0   0.12200E-05  532502.2 4256170.7   111.9     3.11
6.51     1.45     YES   HRDOW
 L0000013         0   0.12200E-05  532514.4 4256163.7   111.8     3.11
6.51     1.45     YES   HRDOW
 L0000014         0   0.12200E-05  532526.5 4256156.7   111.8     3.11
6.51     1.45     YES   HRDOW
 L0000015         0   0.12200E-05  532538.6 4256149.6   111.7     3.11
6.51     1.45     YES   HRDOW
 L0000016         0   0.12200E-05  532550.7 4256142.6   111.6     3.11
6.51     1.45     YES   HRDOW
 L0000017         0   0.12200E-05  532562.8 4256135.6   112.0     3.11
6.51     1.45     YES   HRDOW
 L0000018         0   0.12200E-05  532574.9 4256128.5   112.4     3.11
6.51     1.45     YES   HRDOW
 L0000019         0   0.12200E-05  532587.0 4256121.5   112.5     3.11
6.51     1.45     YES   HRDOW
 L0000020         0   0.12200E-05  532599.1 4256114.5   112.7     3.11
6.51     1.45     YES   HRDOW
 L0000021         0   0.12200E-05  532611.2 4256107.4   113.0     3.11
6.51     1.45     YES   HRDOW
 L0000022         0   0.12200E-05  532623.3 4256100.4   113.6     3.11
6.51     1.45     YES   HRDOW
 L0000023         0   0.12200E-05  532635.4 4256093.4   112.3     3.11
6.51     1.45     YES   HRDOW
 L0000024         0   0.12200E-05  532647.5 4256086.4   112.9     3.11
6.51     1.45     YES   HRDOW
 L0000025         0   0.12200E-05  532655.6 4256095.7   111.8     3.11
6.51     1.45     YES   HRDOW
 L0000026         0   0.12200E-05  532663.1 4256107.5   110.7     3.11
6.51     1.45     YES   HRDOW
 L0000027         0   0.12200E-05  532670.6 4256119.3   109.8     3.11
6.51     1.45     YES   HRDOW
 L0000028         0   0.12200E-05  532678.1 4256131.1   109.0     3.11
6.51     1.45     YES   HRDOW
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE
L0000029	0	0.12200E-05	532685.6	4256143.0	108.2	3.11	6.51	1.45	YES HRDOW
L0000030	0	0.12200E-05	532693.1	4256154.8	108.0	3.11	6.51	1.45	YES HRDOW
L0000031	0	0.12200E-05	532700.6	4256166.6	108.0	3.11	6.51	1.45	YES HRDOW
L0000032	0	0.12200E-05	532708.1	4256178.4	108.0	3.11	6.51	1.45	YES HRDOW
L0000033	0	0.12200E-05	532715.6	4256190.2	108.0	3.11	6.51	1.45	YES HRDOW
L0000034	0	0.12200E-05	532723.1	4256202.1	108.0	3.11	6.51	1.45	YES HRDOW
L0000035	0	0.12200E-05	532730.6	4256213.9	108.2	3.11	6.51	1.45	YES HRDOW
L0000036	0	0.12200E-05	532738.1	4256225.7	108.7	3.11	6.51	1.45	YES HRDOW
L0000037	0	0.12200E-05	532745.6	4256237.5	109.0	3.11	6.51	1.45	YES HRDOW
L0000038	0	0.12200E-05	532753.1	4256249.4	109.0	3.11	6.51	1.45	YES HRDOW
L0000039	0	0.12200E-05	532760.6	4256261.2	109.0	3.11	6.51	1.45	YES HRDOW
L0000040	0	0.12200E-05	532768.1	4256273.0	109.3	3.11	6.51	1.45	YES HRDOW
L0000041	0	0.12200E-05	532771.5	4256283.9	109.7	3.11	6.51	1.45	YES HRDOW
L0000042	0	0.12200E-05	532759.6	4256291.1	109.7	3.11	6.51	1.45	YES HRDOW
L0000043	0	0.12200E-05	532747.6	4256298.3	109.5	3.11	6.51	1.45	YES HRDOW

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 L0000044         0   0.12200E-05  532735.6 4256305.6   109.3     3.11
6.51     1.45     YES   HRDOW
 L0000045         0   0.12200E-05  532723.6 4256312.8   109.4     3.11
6.51     1.45     YES   HRDOW
 L0000046         0   0.12200E-05  532711.6 4256320.1   109.2     3.11
6.51     1.45     YES   HRDOW
 L0000047         0   0.12200E-05  532699.6 4256327.3   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000048         0   0.12200E-05  532687.6 4256334.5   109.3     3.11
6.51     1.45     YES   HRDOW
 L0000049         0   0.12200E-05  532675.7 4256341.8   109.5     3.11
6.51     1.45     YES   HRDOW
 L0000050         0   0.12200E-05  532663.7 4256349.0   109.5     3.11
6.51     1.45     YES   HRDOW
 L0000051         0   0.12200E-05  532651.7 4256356.2   109.3     3.11
6.51     1.45     YES   HRDOW
 L0000052         0   0.12200E-05  532639.7 4256363.5   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000053         0   0.12200E-05  532627.7 4256370.7   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000054         0   0.12200E-05  532615.7 4256378.0   109.0     3.11
6.51     1.45     YES   HRDOW
 L0000055         0   0.12200E-05  532603.8 4256385.2   108.7     3.11
6.51     1.45     YES   HRDOW
 L0000056         0   0.12200E-05  532591.8 4256392.4   108.3     3.11
6.51     1.45     YES   HRDOW
 L0000057         0   0.12200E-05  532579.8 4256399.7   107.7     3.11
6.51     1.45     YES   HRDOW
 L0000058         0   0.12200E-05  532567.8 4256406.9   106.8     3.11
6.51     1.45     YES   HRDOW
 L0000059         0   0.12200E-05  532555.8 4256414.2   106.1     3.11
6.51     1.45     YES   HRDOW
 L0000060         0   0.12200E-05  532543.8 4256421.4   105.6     3.11
6.51     1.45     YES   HRDOW
 L0000061         0   0.12200E-05  532531.9 4256428.6   105.2     3.11
6.51     1.45     YES   HRDOW
 L0000062         0   0.12200E-05  532519.9 4256435.9   105.2     3.11
6.51     1.45     YES   HRDOW
 L0000063         0   0.12200E-05  532507.9 4256443.1   105.3     3.11
6.51     1.45     YES   HRDOW
 L0000064         0   0.12200E-05  532495.9 4256450.3   105.2     3.11
6.51     1.45     YES   HRDOW
 L0000065         0   0.12200E-05  532483.9 4256457.6   105.2     3.11
6.51     1.45     YES   HRDOW
 L0000066         0   0.12200E-05  532471.9 4256464.8   105.2     3.11
6.51     1.45     YES   HRDOW
 L0000067         0   0.12200E-05  532460.0 4256472.1   105.0     3.11
6.51     1.45     YES   HRDOW
 L0000068         0   0.12200E-05  532448.0 4256479.3   105.0     3.11
6.51     1.45     YES   HRDOW
 L0000069         0   0.12200E-05  532436.0 4256486.5   105.0     3.11
6.51     1.45     YES   HRDOW
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 L0000070         0   0.12200E-05  532424.0 4256493.8   104.9     3.11
6.51     1.45     YES   HRDOW
 L0000071         0   0.12200E-05  532412.0 4256501.0   104.9     3.11
6.51     1.45     YES   HRDOW
 L0000072         0   0.12200E-05  532400.0 4256508.2   104.9     3.11
6.51     1.45     YES   HRDOW
 L0000073         0   0.12200E-05  532388.1 4256515.5   104.6     3.11
6.51     1.45     YES   HRDOW
 L0000074         0   0.12200E-05  532376.1 4256522.7   104.6     3.11
6.51     1.45     YES   HRDOW
 L0000075         0   0.12200E-05  532364.1 4256530.0   104.5     3.11
6.51     1.45     YES   HRDOW
 L0000076         0   0.12200E-05  532352.1 4256537.2   104.3     3.11
6.51     1.45     YES   HRDOW
 L0000077         0   0.12200E-05  532340.1 4256544.4   104.2     3.11
6.51     1.45     YES   HRDOW
 L0000078         0   0.12200E-05  532328.1 4256551.7   104.2     3.11
6.51     1.45     YES   HRDOW
 L0000079         0   0.12200E-05  532316.1 4256558.9   104.1     3.11
6.51     1.45     YES   HRDOW
 L0000080         0   0.12200E-05  532304.2 4256566.1   104.0     3.11
6.51     1.45     YES   HRDOW

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Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN


                                                    *** VOLUME SOURCE
DATA ***

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

 L0000081         0   0.12200E-05  532292.2 4256573.4   103.8     3.11
6.51     1.45     YES   HRDOW
 L0000082         0   0.12200E-05  532280.2 4256580.6   103.5     3.11
6.51     1.45     YES   HRDOW

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*** AREAPOLY SOURCE DATA ***

RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ PARAM.	EMISSION RATE (GRAMS/SEC /METER**2)	X (METERS)	Y (METERS)	ELEV. (METERS)	URBAN SOURCE ID	EMISSION RATE SCALAR VARY BY
PAREA3	11	0	0.10000E-03	532736.5	4255935.0	121.8	5.00	0.00 YES HRDOW

*** SOURCE IDs DEFINING SOURCE GROUPS ***

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

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             L0000041    , L0000042    , L0000043    , L0000044    ,
L0000045    , L0000046    , L0000047    , L0000048    ,

             L0000049    , L0000050    , L0000051    , L0000052    ,
L0000053    , L0000054    , L0000055    , L0000056    ,

             L0000057    , L0000058    , L0000059    , L0000060    ,
L0000061    , L0000062    , L0000063    , L0000064    ,

             L0000065    , L0000066    , L0000067    , L0000068    ,
L0000069    , L0000070    , L0000071    , L0000072    ,

             L0000073    , L0000074    , L0000075    , L0000076    ,
L0000077    , L0000078    , L0000079    , L0000080    ,

             L0000081    , L0000082    ,

  AREA       PAREA3      ,

  ALL        L0000001    , L0000002    , L0000003    , L0000004    ,
L0000005    , L0000006    , L0000007    , L0000008    ,

             L0000009    , L0000010    , L0000011    , L0000012    ,
L0000013    , L0000014    , L0000015    , L0000016    ,

             L0000017    , L0000018    , L0000019    , L0000020    ,
L0000021    , L0000022    , L0000023    , L0000024    ,

             L0000025    , L0000026    , L0000027    , L0000028    ,
L0000029    , L0000030    , L0000031    , L0000032    ,

             L0000033    , L0000034    , L0000035    , L0000036    ,
L0000037    , L0000038    , L0000039    , L0000040    ,

             L0000041    , L0000042    , L0000043    , L0000044    ,
L0000045    , L0000046    , L0000047    , L0000048    ,

             L0000049    , L0000050    , L0000051    , L0000052    ,
L0000053    , L0000054    , L0000055    , L0000056    ,

             L0000057    , L0000058    , L0000059    , L0000060    ,
L0000061    , L0000062    , L0000063    , L0000064    ,
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
	L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 ,
	L0000081 , L0000082 , PAREA3 ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

URBAN ID	URBAN POP	SOURCE IDs
	10000000.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
		L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
		L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
		L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
		L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
		L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,

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             L0000049    , L0000050    , L0000051    , L0000052    ,
L0000053    , L0000054    , L0000055    , L0000056    ,

             L0000057    , L0000058    , L0000059    , L0000060    ,
L0000061    , L0000062    , L0000063    , L0000064    ,

             L0000065    , L0000066    , L0000067    , L0000068    ,
L0000069    , L0000070    , L0000071    , L0000072    ,

             L0000073    , L0000074    , L0000075    , L0000076    ,
L0000077    , L0000078    , L0000079    , L0000080    ,

             L0000081    , L0000082    , PAREA3      ,

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Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000001     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                   DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                   DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                   DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000002 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME :

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

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000004     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000005     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000006   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/25/17
 *** AERMET - VERSION 14134 ***   ***
***   22:37:01

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000007   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000008     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000009     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000012     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000013     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *
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```
 SOURCE ID = L0000014     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000015     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000016     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000017 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000018 ; SOURCE TYPE = VOLUME :

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

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000019     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000020     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000021   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/25/17
 *** AERMET - VERSION 14134 ***   ***
***   22:37:01

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000022   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                    DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000023     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000024     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000025 ; 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = L0000026 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000027     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000028     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *
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 SOURCE ID = L0000029     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000030     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000031     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000032 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000033 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000034     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000035     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000036   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/25/17
 *** AERMET - VERSION 14134 ***   ***
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 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000037   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000038     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000039     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
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PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000042     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000043   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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) *

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000046     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000047 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000048 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000049     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000050     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01
```

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000051   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/25/17
 *** AERMET - VERSION 14134 ***   ***
***   22:37:01

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000052   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000053     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000054     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

SOURCE ID = L0000055 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000056 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000057     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000058   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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 = L0000059     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000060     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE  69
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000061     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000062 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000063 ; SOURCE TYPE = VOLUME :

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

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000064     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000065   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000066   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/25/17
 *** AERMET - VERSION 14134 ***   ***
***   22:37:01

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000067   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000068     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000069     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000070 ; 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 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = L0000071 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000072     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    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 = L0000073   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   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) *

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE  84
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000076     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   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 = L0000077 ; 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	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = L0000078 ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000079     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
```

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000080     ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01
```

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000081   ; 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 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01
13 .1000E+01   14 .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00
5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00
13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00
21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc   ***   09/25/17
 *** AERMET - VERSION 14134 ***   ***
***   22:37:01

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000082   ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY
AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = PAREA3       ; 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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

(532862.3, 4256047.7, 114.9, 832.0, 1.8);
(532839.6, 4256029.5, 115.4, 832.0, 1.8);
(532820.5, 4255995.9, 115.0, 832.0, 1.8);
(532825.9, 4255944.0, 117.6, 832.0, 1.8);
(532789.5, 4255936.8, 118.3, 832.0, 1.8);
(532768.6, 4255908.6, 120.9, 832.0, 1.8);
(532752.2, 4255856.7, 121.8, 832.0, 1.8);
(532785.0, 4255815.8, 121.3, 832.0, 1.8);
(532752.4, 4255882.8, 121.7, 832.0, 1.8);
(532771.1, 4255831.7, 121.4, 832.0, 1.8);
(532801.4, 4255883.3, 120.9, 832.0, 1.8);
(532815.7, 4255858.5, 121.4, 832.0, 1.8);
(532829.7, 4255901.7, 120.2, 832.0, 1.8);
(532846.6, 4255878.4, 120.9, 832.0, 1.8);
(532864.7, 4255855.9, 121.2, 832.0, 1.8);
(532838.1, 4255838.7, 121.9, 832.0, 1.8);
(532866.4, 4255959.3, 119.1, 832.0, 1.8);
(532871.7, 4255990.0, 118.4, 832.0, 1.8);
(532871.7, 4255933.9, 120.2, 832.0, 1.8);
(532882.2, 4255912.9, 120.9, 832.0, 1.8);
(532899.1, 4255889.1, 123.0, 832.0, 1.8);
(532916.9, 4255986.0, 122.6, 832.0, 1.8);
(532930.2, 4255965.0, 124.7, 832.0, 1.8);
(532916.5, 4255866.5, 125.5, 832.0, 1.8);
(532930.2, 4255846.0, 127.8, 832.0, 1.8);
(532944.7, 4255936.0, 127.1, 832.0, 1.8);
(532958.4, 4255906.1, 130.5, 832.0, 1.8);
(532970.9, 4255886.3, 133.6, 832.0, 1.8);
(532946.3, 4255819.7, 130.3, 832.0, 1.8);
(532991.1, 4255858.5, 135.6, 832.0, 1.8);

```
     ( 533010.9, 4255843.1,     137.3,     832.0,       1.8);
( 532884.6, 4255809.2,     129.3,     832.0,       1.8);
     ( 532851.9, 4255793.5,     129.9,     832.0,       1.8);
( 532824.1, 4255791.5,     123.6,     832.0,       1.8);
     ( 533034.3, 4255820.9,     140.4,     832.0,       1.8);
( 533054.5, 4255804.4,     143.8,     832.0,       1.8);
     ( 532909.2, 4256052.6,     115.4,     832.0,       1.8);
( 532944.7, 4256040.1,     118.3,     832.0,       1.8);
     ( 532966.5, 4256021.1,     120.8,     832.0,       1.8);
( 532998.0, 4256021.9,     119.5,     832.0,       1.8);
     ( 532950.4, 4256084.8,     111.4,     832.0,       1.8);
( 532990.7, 4256062.2,     114.4,     832.0,       1.8);
     ( 533036.7, 4256020.3,     120.7,     832.0,       1.8);
( 533057.7, 4256017.1,     121.5,     832.0,       1.8);
     ( 533019.0, 4255976.7,     125.0,     832.0,       1.8);
( 533047.6, 4255967.0,     127.4,     832.0,       1.8);
     ( 532985.5, 4255968.2,     126.3,     832.0,       1.8);
( 533002.0, 4255941.6,     130.9,     832.0,       1.8);
     ( 533019.8, 4255916.6,     135.1,     832.0,       1.8);
( 533030.3, 4255896.0,     137.5,     832.0,       1.8);
     ( 533059.7, 4255876.2,     140.8,     832.0,       1.8);
( 533068.2, 4255956.1,     129.1,     832.0,       1.8);
     ( 533085.6, 4256006.6,     121.3,     832.0,       1.8);
( 533113.8, 4255991.2,     121.1,     832.0,       1.8);
     ( 533090.8, 4255942.8,     129.3,     832.0,       1.8);
( 533138.0, 4255979.9,     121.1,     832.0,       1.8);
     ( 533115.0, 4255927.1,     130.1,     832.0,       1.8);
( 533156.2, 4255967.0,     122.0,     832.0,       1.8);
     ( 533137.2, 4255912.1,     131.6,     832.0,       1.8);
( 532524.4, 4256235.6,     107.1,     832.0,       1.8);
     ( 532509.2, 4256223.7,     108.3,     832.0,       1.8);
( 532492.7, 4256241.3,     107.5,     832.0,       1.8);
     ( 532478.4, 4256259.3,     105.7,     832.0,       1.8);
( 532464.3, 4256274.2,     104.7,     832.0,       1.8);
     ( 532544.5, 4256258.1,     107.0,     832.0,       1.8);
( 532451.7, 4256294.9,     103.6,     832.0,       1.8);
     ( 532437.7, 4256313.8,     103.1,     832.0,       1.8);
( 532389.8, 4256310.8,     102.3,     832.0,       1.8);
     ( 532404.8, 4256293.0,     102.1,     832.0,       1.8);
( 532175.2, 4256196.1,     105.1,     832.0,       1.8);
     ( 532165.3, 4256184.9,     104.7,     832.0,       1.8);
( 532120.6, 4256157.1,     100.6,     832.0,       1.8);
     ( 532513.2, 4256183.6,     110.4,     832.0,       1.8);
( 532534.8, 4256190.7,     109.3,     832.0,       1.8);
     ( 532551.4, 4256205.2,     109.0,     832.0,       1.8);
( 532567.5, 4256226.3,     108.6,     832.0,       1.8);
     ( 532577.9, 4256251.6,     108.3,     832.0,       1.8);
( 532423.8, 4256334.4,     103.0,     832.0,       1.8);
     ( 532306.1, 4256321.2,     100.8,     832.0,       1.8);
( 532332.6, 4256344.4,     101.0,     832.0,       1.8);
     ( 532365.8, 4256346.4,     101.7,     832.0,       1.8);
( 532374.9, 4256332.3,     102.0,     832.0,       1.8);
```

(532393.1, 4256371.3, 102.8, 832.0, 1.8);
(532404.7, 4256354.7, 103.0, 832.0, 1.8);
(532556.3, 4256278.1, 106.7, 832.0, 1.8);
(532219.5, 4255941.4, 101.1, 832.0, 1.8);
(532133.5, 4256010.2, 99.6, 832.0, 1.8);
(532834.4, 4256230.1, 110.4, 832.0, 1.8);
(532856.7, 4256219.0, 111.0, 832.0, 1.8);
(532882.7, 4256205.3, 111.0, 832.0, 1.8);

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

(532877.8, 4256188.0, 110.4, 832.0, 1.8);
(532841.8, 4256204.1, 110.6, 832.0, 1.8);
(532812.1, 4256219.0, 110.0, 832.0, 1.8);
(532726.6, 4256157.0, 108.5, 832.0, 1.8);
(532748.9, 4256153.3, 108.9, 832.0, 1.8);
(532768.7, 4256137.2, 109.0, 832.0, 1.8);
(532787.3, 4256123.5, 109.0, 832.0, 1.8);
(532810.9, 4256103.7, 109.6, 832.0, 1.8);
(532799.7, 4256081.4, 111.1, 832.0, 1.8);
(532782.4, 4256066.5, 111.9, 832.0, 1.8);
(532776.2, 4256036.8, 113.5, 832.0, 1.8);
(532746.4, 4256055.4, 113.6, 832.0, 1.8);
(532715.4, 4256075.2, 112.1, 832.0, 1.8);
(532693.1, 4256092.6, 110.9, 832.0, 1.8);
(532709.2, 4256142.1, 108.3, 832.0, 1.8);
(532699.3, 4256121.1, 109.0, 832.0, 1.8);
(532756.9, 4255990.5, 116.7, 832.0, 1.8);
(532737.3, 4255956.1, 120.5, 832.0, 1.8);
(532739.7, 4256007.0, 116.1, 832.0, 1.8);
(532707.1, 4255970.9, 121.3, 832.0, 1.8);
(532687.0, 4255986.9, 120.9, 832.0, 1.8);
(532663.3, 4256007.0, 120.6, 832.0, 1.8);
(532643.2, 4256024.2, 120.2, 832.0, 1.8);
(532622.5, 4256040.8, 120.1, 832.0, 1.8);
(532597.0, 4256054.4, 118.9, 832.0, 1.8);
(532571.6, 4256061.5, 119.2, 832.0, 1.8);
(532536.7, 4256078.1, 118.8, 832.0, 1.8);
(532501.2, 4256097.0, 118.5, 832.0, 1.8);

 *** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

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

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

Surface file: ..\724957\724957.SFC
Met Version: 14134
Profile file: ..\724957\724957.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23213 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2009 Year: 2009

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
09	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	279.9	2.0
09	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	279.2	2.0
09	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	279.9	2.0
09	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	1.00	0.00	0.	10.0	280.4	2.0
09	01	01	1	09	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.03	0.74	0.42	0.00	0.	10.0	280.9	2.0
09	01	01	1	10	17.5	-9.000	-9.000	-9.000	157.	-999.	-99999.0	0.03	0.74	0.29	0.00	0.	10.0	282.0	2.0
09	01	01	1	11	32.5	-9.000	-9.000	-9.000	263.	-999.	-99999.0	0.03	0.74	0.24	0.00	0.	10.0	283.1	2.0

```
 09 01 01   1 12   82.0 -9.000 -9.000 -9.000  426. -999. -99999.0
0.03   0.74   0.22    0.00    0.   10.0  284.9    2.0
 09 01 01   1 13   87.8  0.208  1.039  0.016  462.  228.     -9.3
0.03   0.74   0.22    2.36  999.   10.0  285.9    2.0
 09 01 01   1 14   74.7  0.288  1.001  0.015  485.  371.    -28.9
0.05   0.74   0.23    3.36  159.   10.0  285.4    2.0
 09 01 01   1 15   49.4  0.351  0.880  0.015  499.  499.    -79.2
0.05   0.74   0.26    4.36  162.   10.0  283.8    2.0
 09 01 01   1 16   12.7  0.265  0.561  0.015  502.  331.   -132.2
0.05   0.74   0.34    3.36  164.   10.0  282.5    2.0
 09 01 01   1 17   -7.2  0.089 -9.000 -9.000 -999.  102.      8.8
0.05   0.74   0.57    2.36  171.   10.0  281.4    2.0
 09 01 01   1 18   -8.3  0.089 -9.000 -9.000 -999.   64.      7.7
0.05   0.74   1.00    2.36  177.   10.0  279.9    2.0
 09 01 01   1 19   -4.3  0.066 -9.000 -9.000 -999.   41.      6.1
0.05   0.74   1.00    1.76  164.   10.0  278.8    2.0
 09 01 01   1 20  -10.5  0.183 -9.000 -9.000 -999.  188.     52.9
0.05   0.74   1.00    2.86  127.   10.0  278.8    2.0
 09 01 01   1 21   -7.6  0.133 -9.000 -9.000 -999.  117.     27.9
0.05   0.74   1.00    2.36  120.   10.0  278.8    2.0
 09 01 01   1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  278.8    2.0
 09 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.2    2.0
 09 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0
0.03   0.74   1.00    0.00    0.   10.0  279.2    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 09 01 01 01   10.0 1 -999.  -99.00   279.9   99.0  -99.00  -99.00

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

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532862.29	4256047.72	0.00007	532839.56	4256029.53	0.00007
532820.46	4255995.88	0.00007	532825.92	4255944.04	0.00006
532789.54	4255936.77	0.00006	532768.62	4255908.57	0.00006
532752.25	4255856.74	0.00004	532784.99	4255815.81	0.00004
532752.41	4255882.75	0.00005	532771.07	4255831.73	0.00004
532801.39	4255883.33	0.00005	532815.67	4255858.55	0.00004
532829.67	4255901.70	0.00005	532846.58	4255878.38	0.00004
532864.66	4255855.93	0.00003	532838.12	4255838.72	0.00003
532866.42	4255959.35	0.00005	532871.67	4255990.02	0.00005
532871.67	4255933.93	0.00004	532882.16	4255912.94	0.00004
532899.11	4255889.13	0.00003	532916.87	4255985.98	0.00004
532930.18	4255965.00	0.00003	532916.46	4255866.54	0.00003
532930.18	4255845.95	0.00003	532944.71	4255935.95	0.00003
532958.43	4255906.08	0.00002	532970.94	4255886.31	0.00002
532946.32	4255819.72	0.00002	532991.12	4255858.46	0.00002
533010.89	4255843.13	0.00002	532884.58	4255809.23	0.00003
532851.89	4255793.49	0.00003	532824.05	4255791.48	0.00003
533034.30	4255820.94	0.00001	533054.47	4255804.39	0.00001
532909.20	4256052.57	0.00005	532944.71	4256040.06	0.00004
532966.50	4256021.09	0.00003	532997.98	4256021.90	0.00003

```
         532950.36    4256084.85        0.00004
532990.71    4256062.25        0.00003
         533036.72    4256020.29        0.00002
533057.70    4256017.06        0.00002
         533018.96    4255976.70        0.00002
533047.61    4255967.02        0.00002
         532985.47    4255968.23        0.00002
533002.01    4255941.59        0.00002
         533019.77    4255916.58        0.00002
533030.26    4255895.99        0.00002
         533059.72    4255876.22        0.00001
533068.19    4255956.12        0.00002
         533085.55    4256006.57        0.00002
533113.79    4255991.23        0.00001
         533090.79    4255942.81        0.00001
533138.01    4255979.93        0.00001
         533115.01    4255927.07        0.00001
533156.17    4255967.02        0.00001
         533137.20    4255912.14        0.00001
532524.44    4256235.64        0.00052
         532509.17    4256223.67        0.00070
532492.71    4256241.32        0.00059
         532478.35    4256259.28        0.00047
532464.28    4256274.25        0.00038
         532544.49    4256258.08        0.00040
532451.71    4256294.90        0.00030
         532437.65    4256313.75        0.00025
532389.76    4256310.76        0.00017
         532404.75    4256293.03        0.00021
532175.23    4256196.06        0.00002
         532165.28    4256184.87        0.00002
532120.55    4256157.12        0.00001
         532513.25    4256183.63        0.00145
532534.79    4256190.67        0.00096
         532551.36    4256205.17        0.00066
532567.51    4256226.30        0.00048
         532577.87    4256251.57        0.00039
532423.77    4256334.42        0.00021
         532306.13    4256321.16        0.00007
532332.64    4256344.36        0.00010

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
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PAGE  97
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

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

INCLUDING SOURCE(S):

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532365.78	4256346.43	0.00013	532374.89	4256332.34	0.00014
532393.12	4256371.28	0.00017	532404.72	4256354.71	0.00018
532556.33	4256278.08	0.00035	532219.49	4255941.37	0.00001
532133.49	4256010.18	0.00001	532834.40	4256230.11	0.00021
532856.70	4256218.96	0.00014	532882.73	4256205.33	0.00010
532877.77	4256187.98	0.00010	532841.83	4256204.09	0.00017
532812.10	4256218.96	0.00031	532726.60	4256157.00	0.00079
532748.90	4256153.28	0.00047	532768.73	4256137.18	0.00030
532787.31	4256123.54	0.00021	532810.86	4256103.72	0.00014
532799.70	4256081.41	0.00013	532782.36	4256066.55	0.00014
532776.16	4256036.81	0.00012	532746.42	4256055.39	0.00016
532715.44	4256075.22	0.00028	532693.14	4256092.57	0.00055
532709.25	4256142.13	0.00098	532699.34	4256121.07	0.00085
532756.85	4255990.46	0.00010	532737.31	4255956.13	0.00008
532739.68	4256007.03	0.00012	532707.13	4255970.93	0.00010
532687.00	4255986.91	0.00011	532663.33	4256007.03	0.00015

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         532643.20    4256024.20        0.00018
532622.49    4256040.77        0.00020
         532597.04    4256054.38        0.00022
532571.59    4256061.49        0.00020
         532536.67    4256078.06        0.00019
532501.15    4256097.00        0.00020
         532489.32    4256120.08        0.00028
532499.97    4256141.98        0.00053
         532511.22    4256140.20        0.00061
532530.82    4256123.84        0.00051
         532551.53    4256111.32        0.00050
532575.21    4256090.96        0.00039
         532604.80    4256074.32        0.00038
532648.30    4256054.30        0.00036
         532685.23    4256040.18        0.00023
532708.31    4256027.16        0.00017

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
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PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: AREA     ***
                                 INCLUDING SOURCE(S):
PAREA3      ,

                                              *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)        CONC                        X-
COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532862.29    4256047.72        7.35456
532839.56    4256029.53        8.95717
         532820.46    4255995.88       10.82925
532825.92    4255944.04       10.01173
         532789.54    4255936.77       15.28527
532768.62    4255908.57       19.76583
         532752.25    4255856.74       22.18809
532784.99    4255815.81       12.13312
         532752.41    4255882.75       24.38603
532771.07    4255831.73       15.33369
         532801.39    4255883.33       11.62903
532815.67    4255858.55        9.21101
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         532829.67    4255901.70        8.81733
532846.58    4255878.38        6.99021
         532864.66    4255855.93        5.60586
532838.12    4255838.72        6.90441
         532866.42    4255959.35        7.01487
532871.67    4255990.02        6.94421
         532871.67    4255933.93        6.39265
532882.16    4255912.94        5.54545
         532899.11    4255889.13        4.45201
532916.87    4255985.98        4.78526
         532930.18    4255965.00        4.14077
532916.46    4255866.54        3.60118
         532930.18    4255845.95        3.04573
532944.71    4255935.95        3.45978
         532958.43    4255906.08        2.85843
532970.94    4255886.31        2.44703
         532946.32    4255819.72        2.53087
532991.12    4255858.46        2.00461
         533010.89    4255843.13        1.71710
532884.58    4255809.23        3.88918
         532851.89    4255793.49        4.95767
532824.05    4255791.48        7.10115
         533034.30    4255820.94        1.42052
533054.47    4255804.39        1.21984
         532909.20    4256052.57        5.29957
532944.71    4256040.06        4.24296
         532966.50    4256021.09        3.66559
532997.98    4256021.90        3.07142
         532950.36    4256084.85        4.04693
532990.71    4256062.25        3.26872
         533036.72    4256020.29        2.48973
533057.70    4256017.06        2.21685
         533018.96    4255976.70        2.47768
533047.61    4255967.02        2.05662
         532985.47    4255968.23        2.90066
533002.01    4255941.59        2.40724
         533019.77    4255916.58        1.99585
533030.26    4255895.99        1.76558
         533059.72    4255876.22        1.42658
533068.19    4255956.12        1.79863
         533085.55    4256006.57        1.91826
533113.79    4255991.23        1.65487
         533090.79    4255942.81        1.57576
533138.01    4255979.93        1.46485
         533115.01    4255927.07        1.36447
533156.17    4255967.02        1.31961
         533137.20    4255912.14        1.19366
532524.44    4256235.64       18.43608
         532509.17    4256223.67       20.15705
532492.71    4256241.32       17.67506
         532478.35    4256259.28       15.35864
532464.28    4256274.25       13.66701
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         532544.49    4256258.08       15.85241
532451.71    4256294.90       11.85225
         532437.65    4256313.75       10.41598
532389.76    4256310.76        9.07169
         532404.75    4256293.03       10.32795
532175.23    4256196.06        3.22055
         532165.28    4256184.87        2.95687
532120.55    4256157.12        1.97701
         532513.25    4256183.63       27.43380
532534.79    4256190.67       25.29779
         532551.36    4256205.17       22.22006
532567.51    4256226.30       18.76083
         532577.87    4256251.57       15.78122
532423.77    4256334.42        9.14123
         532306.13    4256321.16        6.11688
532332.64    4256344.36        6.40436

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PAGE  99
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES
AVERAGED OVER   5 YEARS FOR SOURCE GROUP: AREA     ***
                                 INCLUDING SOURCE(S):
PAREA3      ,

                                              *** DISCRETE CARTESIAN
RECEPTOR POINTS ***

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

       X-COORD (M)   Y-COORD (M)        CONC                        X-
COORD (M)   Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         532365.78    4256346.43        7.22710
532374.89    4256332.34        7.88040
         532393.12    4256371.28        7.20518
532404.72    4256354.71        7.95977
         532556.33    4256278.08       13.95972
532219.49    4255941.37        2.27295
         532133.49    4256010.18        1.36268
532834.40    4256230.11        5.87215
         532856.70    4256218.96        5.41046
532882.73    4256205.33        4.90490
         532877.77    4256187.98        5.21360
532841.83    4256204.09        6.06334
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         532812.10    4256218.96        6.80713
532726.60    4256157.00       14.02802
         532748.90    4256153.28       12.37852
532768.73    4256137.18       11.50276
         532787.31    4256123.54       10.54844
532810.86    4256103.72        9.44629
         532799.70    4256081.41       10.99757
532782.36    4256066.55       13.34468
         532776.16    4256036.81       15.66416
532746.42    4256055.39       19.86505
         532715.44    4256075.22       23.57527
532693.14    4256092.57       25.18100
         532709.25    4256142.13       16.75921
532699.34    4256121.07       20.05697
         532756.85    4255990.46       23.69291
532737.31    4255956.13       39.96901
         532739.68    4256007.03       27.87217
532707.13    4255970.93       61.49522
         532687.00    4255986.91       69.56247
532663.33    4256007.03       75.22729
         532643.20    4256024.20       76.98173
532622.49    4256040.77       77.52089
         532597.04    4256054.38       78.18621
532571.59    4256061.49       84.35243
         532536.67    4256078.06       82.43502
532501.15    4256097.00       74.23109
         532489.32    4256120.08       55.32819
532499.97    4256141.98       41.72190
         532511.22    4256140.20       42.06611
532530.82    4256123.84       47.97353
         532551.53    4256111.32       51.09393
532575.21    4256090.96       57.53096
         532604.80    4256074.32       58.19081
532648.30    4256054.30       50.94884
         532685.23    4256040.18       41.57207
532708.31    4256027.16       36.38113

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***        22:37:01

PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532862.29	4256047.72	7.35463	532839.56	4256029.53	8.95724
532820.46	4255995.88	10.82932	532825.92	4255944.04	10.01179
532789.54	4255936.77	15.28533	532768.62	4255908.57	19.76589
532752.25	4255856.74	22.18813	532784.99	4255815.81	12.13315
532752.41	4255882.75	24.38608	532771.07	4255831.73	15.33373
532801.39	4255883.33	11.62908	532815.67	4255858.55	9.21105
532829.67	4255901.70	8.81738	532846.58	4255878.38	6.99025
532864.66	4255855.93	5.60590	532838.12	4255838.72	6.90444
532866.42	4255959.35	7.01492	532871.67	4255990.02	6.94426
532871.67	4255933.93	6.39269	532882.16	4255912.94	5.54548
532899.11	4255889.13	4.45205	532916.87	4255985.98	4.78530
532930.18	4255965.00	4.14080	532916.46	4255866.54	3.60121
532930.18	4255845.95	3.04576	532944.71	4255935.95	3.45981
532958.43	4255906.08	2.85846	532970.94	4255886.31	2.44705
532946.32	4255819.72	2.53089	532991.12	4255858.46	2.00463
533010.89	4255843.13	1.71711	532884.58	4255809.23	3.88921
532851.89	4255793.49	4.95770	532824.05	4255791.48	7.10118
533034.30	4255820.94	1.42053	533054.47	4255804.39	1.21986

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         532909.20    4256052.57        5.29962
532944.71    4256040.06        4.24299
         532966.50    4256021.09        3.66562
532997.98    4256021.90        3.07144
         532950.36    4256084.85        4.04697
532990.71    4256062.25        3.26875
         533036.72    4256020.29        2.48975
533057.70    4256017.06        2.21687
         533018.96    4255976.70        2.47770
533047.61    4255967.02        2.05664
         532985.47    4255968.23        2.90069
533002.01    4255941.59        2.40726
         533019.77    4255916.58        1.99587
533030.26    4255895.99        1.76559
         533059.72    4255876.22        1.42659
533068.19    4255956.12        1.79864
         533085.55    4256006.57        1.91828
533113.79    4255991.23        1.65488
         533090.79    4255942.81        1.57577
533138.01    4255979.93        1.46486
         533115.01    4255927.07        1.36448
533156.17    4255967.02        1.31962
         533137.20    4255912.14        1.19367
532524.44    4256235.64       18.43660
         532509.17    4256223.67       20.15775
532492.71    4256241.32       17.67565
         532478.35    4256259.28       15.35910
532464.28    4256274.25       13.66739
         532544.49    4256258.08       15.85281
532451.71    4256294.90       11.85255
         532437.65    4256313.75       10.41622
532389.76    4256310.76        9.07186
         532404.75    4256293.03       10.32816
532175.23    4256196.06        3.22057
         532165.28    4256184.87        2.95688
532120.55    4256157.12        1.97702
         532513.25    4256183.63       27.43524
532534.79    4256190.67       25.29875
         532551.36    4256205.17       22.22072
532567.51    4256226.30       18.76130
         532577.87    4256251.57       15.78161
532423.77    4256334.42        9.14144
         532306.13    4256321.16        6.11695
532332.64    4256344.36        6.40446

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Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
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***        22:37:01

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN
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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S):

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

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
532365.78	4256346.43	7.22723	532374.89	4256332.34	7.88055
532393.12	4256371.28	7.20535	532404.72	4256354.71	7.95995
532556.33	4256278.08	13.96007	532219.49	4255941.37	2.27296
532133.49	4256010.18	1.36269	532834.40	4256230.11	5.87236
532856.70	4256218.96	5.41060	532882.73	4256205.33	4.90500
532877.77	4256187.98	5.21370	532841.83	4256204.09	6.06352
532812.10	4256218.96	6.80744	532726.60	4256157.00	14.02881
532748.90	4256153.28	12.37899	532768.73	4256137.18	11.50306
532787.31	4256123.54	10.54865	532810.86	4256103.72	9.44643
532799.70	4256081.41	10.99770	532782.36	4256066.55	13.34482
532776.16	4256036.81	15.66428	532746.42	4256055.39	19.86521
532715.44	4256075.22	23.57555	532693.14	4256092.57	25.18156
532709.25	4256142.13	16.76018	532699.34	4256121.07	20.05782
532756.85	4255990.46	23.69300	532737.31	4255956.13	39.96909
532739.68	4256007.03	27.87228	532707.13	4255970.93	61.49531

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

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

NETWORK GROUP ID	AVERAGE CONC OF TYPE	GRID-ID	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)
LINE	1ST HIGHEST VALUE IS	0.00145 AT	(532513.25, 4256183.63, 110.37, 832.00, 1.80) DC
	2ND HIGHEST VALUE IS	0.00098 AT	(532709.25, 4256142.13, 108.30, 832.00, 1.80) DC
	3RD HIGHEST VALUE IS	0.00096 AT	(532534.79, 4256190.67, 109.33, 832.00, 1.80) DC
	4TH HIGHEST VALUE IS	0.00085 AT	(532699.34, 4256121.07, 108.97, 832.00, 1.80) DC
	5TH HIGHEST VALUE IS	0.00079 AT	(532726.60, 4256157.00, 108.49, 832.00, 1.80) DC

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          6TH HIGHEST VALUE IS       0.00070 AT (  532509.17,
4256223.67,   108.33,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS       0.00066 AT (  532551.36,
4256205.17,   109.00,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS       0.00061 AT (  532511.22,
4256140.20,   113.92,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS       0.00059 AT (  532492.71,
4256241.32,   107.51,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS       0.00055 AT (  532693.14,
4256092.57,   110.94,   832.00,    1.80)  DC

AREA      1ST HIGHEST VALUE IS      84.35243 AT (  532571.59,
4256061.49,   119.23,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS      82.43502 AT (  532536.67,
4256078.06,   118.84,   832.00,    1.80)  DC
          3RD HIGHEST VALUE IS      78.18621 AT (  532597.04,
4256054.38,   118.87,   832.00,    1.80)  DC
          4TH HIGHEST VALUE IS      77.52089 AT (  532622.49,
4256040.77,   120.09,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS      76.98173 AT (  532643.20,
4256024.20,   120.22,   832.00,    1.80)  DC
          6TH HIGHEST VALUE IS      75.22729 AT (  532663.33,
4256007.03,   120.63,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS      74.23109 AT (  532501.15,
4256097.00,   118.45,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS      69.56247 AT (  532687.00,
4255986.91,   120.89,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS      61.49522 AT (  532707.13,
4255970.93,   121.32,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS      58.19081 AT (  532604.80,
4256074.32,   116.51,   832.00,    1.80)  DC

ALL       1ST HIGHEST VALUE IS      84.35263 AT (  532571.59,
4256061.49,   119.23,   832.00,    1.80)  DC
          2ND HIGHEST VALUE IS      82.43522 AT (  532536.67,
4256078.06,   118.84,   832.00,    1.80)  DC
          3RD HIGHEST VALUE IS      78.18643 AT (  532597.04,
4256054.38,   118.87,   832.00,    1.80)  DC
          4TH HIGHEST VALUE IS      77.52109 AT (  532622.49,
4256040.77,   120.09,   832.00,    1.80)  DC
          5TH HIGHEST VALUE IS      76.98191 AT (  532643.20,
4256024.20,   120.22,   832.00,    1.80)  DC
          6TH HIGHEST VALUE IS      75.22744 AT (  532663.33,
4256007.03,   120.63,   832.00,    1.80)  DC
          7TH HIGHEST VALUE IS      74.23129 AT (  532501.15,
4256097.00,   118.45,   832.00,    1.80)  DC
          8TH HIGHEST VALUE IS      69.56258 AT (  532687.00,
4255986.91,   120.89,   832.00,    1.80)  DC
          9TH HIGHEST VALUE IS      61.49531 AT (  532707.13,
4255970.93,   121.32,   832.00,    1.80)  DC
         10TH HIGHEST VALUE IS      58.19119 AT (  532604.80,
4256074.32,   116.51,   832.00,    1.80)  DC
```

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

 *** AERMOD - VERSION 16216r ***   *** C:\Users\xli\Desktop\Elnoka
Vilage HRA\Elnoka Vilage HRA.isc         ***        09/25/17
 *** AERMET - VERSION  14134 ***   ***
***        22:37:01

PAGE 103
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN

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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            1 Warning Message(s)
 A Total of        18866 Informational Message(s)

 A Total of        43872 Hours Were Processed

 A Total of        16971 Calm Hours Identified

 A Total of         1895 Missing Hours Identified (  4.32 Percent)


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


    ********   WARNING MESSAGES   ********
 MX W481   43873         MAIN: Data Remaining After End of Year.
Number of Hours=           48

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

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C.5 - Additional Air Quality Supporting Information

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Additional Air Quality Supporting Information

Distance Multiplier Tool (MIR).....**C.5-1**

Distance Multiplier Tool (Project Site).....**C.5-2**

Stationary Sources.....**C.5-3**

Odor Complaint Summary **C.5-5**

How to Use the Distance Adjustment Multiplier Tool for Gasoline Dispensing Facilities (GDF)

This distance multiplier tool refines the screening values for cancer risk and chronic hazard index found in the District's Stationary Source Screening Analysis Tool to represent adjusted risk and hazard impacts that can be expected with farther distances from the source of emissions (GDF's).

1. Obtain the GDF cancer risk and/or chronic hazard index from the District's Stationary Source Screening Analysis tool for facilities where the Plant No. is preceded with a 'G'. If the distance to the nearest receptor is less than 20 meters, the distance adjustment multiplier table cannot be used and an air dispersion modeling analysis using site-specific information is needed to refine the cancer risk and/or chronic hazard index estimate.

2. Determine the shortest distance from the GDF to the nearest receptor.

3. In the table below, enter the cancer risk and/or chronic hazard index found in step 1 for the GDF in the row which aligns with the shortest distance from each GDF to the nearest receptor (found in step 2). If the shortest distance to the receptor falls between two distance values, select the multiplier corresponding to the smaller distance. For distances beyond 300 meters, use the multiplier 0.015. The resulting product is the adjusted cancer risk in a million or the adjusted chronic hazard index for the GDF.

Note: These distance adjustment multipliers may be used only for the screening level health risk values indicated in the District's Stationary Source Screening Analysis tool for gasoline dispensing facilities. This distance multiplier tool may not be used to adjust values from an HRA if an HRA for the facility was conducted.

Distance meters	Distance feet	Distance adjustment multiplier	Enter Cancer Risk	Adjusted Cancer Risk	Enter Chronic Hazard Index	Adjusted Chronic Hazard Index
20	66	1.000		0		0
25	82	0.728		0		0
30	98	0.559		0		0
35	115	0.445		0		0
40	131	0.365		0		0
45	148	0.305		0		0
50	164	0.260		0		0
55	180	0.225		0		0
60	197	0.197		0		0
65	213	0.174		0		0
70	230	0.155		0		0
75	246	0.139		0		0
80	262	0.126		0		0
85	279	0.114		0		0
90	295	0.104		0		0
95	312	0.096		0		0
100	328	0.088		0		0
105	344	0.082		0		0
110	361	0.076		0		0
115	377	0.071		0		0
120	394	0.066		0		0
125	410	0.062		0		0
130	426	0.058		0		0
135	443	0.055		0		0
140	459	0.052		0		0
145	476	0.049		0		0
150	492	0.046		0		0
155	508	0.044		0		0
160	525	0.042		0		0
165	541	0.040		0		0
170	558	0.038		0		0
175	574	0.036		0		0
180	590	0.034		0		0
185	607	0.033		0		0
190	623	0.031		0		0
195	640	0.030		0		0
200	656	0.029		0		0
205	672	0.028		0		0
210	689	0.027		0		0
215	705	0.026		0		0
220	722	0.025		0		0
225	738	0.024		0		0
230	754	0.023		0		0
235	771	0.022		0		0
240	787	0.022		0		0
245	804	0.021		0		0
250	820	0.020		0		0
255	836	0.020		0		0
260	853	0.019		0		0
265	869	0.018		0		0
270	886	0.018		0		0
275	902	0.017		0		0
280	918	0.017		0		0
285	935	0.016		0		0
290	951	0.016		0		0
295	968	0.015		0		0
300	984	0.015	38.48	0.575842603		0

How to Use the Distance Adjustment Multiplier Tool for Gasoline Dispensing Facilities (GDF)

This distance multiplier tool refines the screening values for cancer risk and chronic hazard index found in the District's Stationary Source Screening Analysis Tool to represent adjusted risk and hazard impacts that can be expected with farther distances from the source of emissions (GDF's).

1. Obtain the GDF cancer risk and/or chronic hazard index from the District's Stationary Source Screening Analysis tool for facilities where the Plant No. is preceded with a 'G'. If the distance to the nearest receptor is less than 20 meters, the distance adjustment multiplier table cannot be used and an air dispersion modeling analysis using site-specific information is needed to refine the cancer risk and/or chronic hazard index estimate.

2. Determine the shortest distance from the GDF to the nearest receptor.

3. In the table below, enter the cancer risk and/or chronic hazard index found in step 1 for the GDF in the row which aligns with the shortest distance from each GDF to the nearest receptor (found in step 2). If the shortest distance to the receptor falls between two distance values, select the multiplier corresponding to the smaller distance. For distances beyond 300 meters, use the multiplier 0.015. The resulting product is the adjusted cancer risk in a million or the adjusted chronic hazard index for the GDF.

Note: These distance adjustment multipliers may be used only for the screening level health risk values indicated in the District's Stationary Source Screening Analysis tool for gasoline dispensing facilities. This distance multiplier tool may not be used to adjust values from an HRA if an HRA for the facility was conducted.

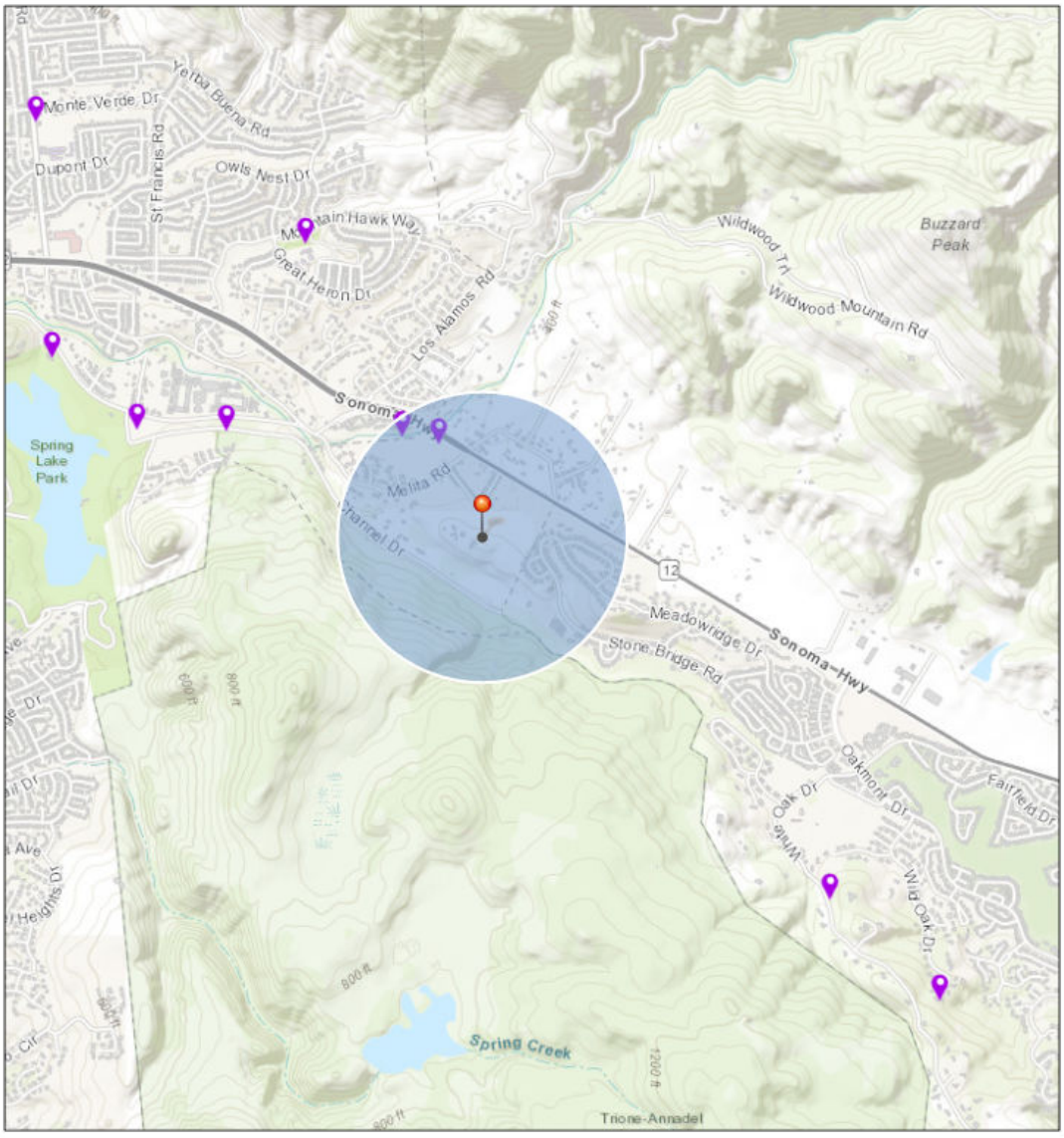
Distance meters	Distance feet	Distance adjustment multiplier	Enter Cancer Risk	Adjusted Cancer Risk	Enter Chronic Hazard Index	Adjusted Chronic Hazard Index
20	66	1.000		0		0
25	82	0.728		0		0
30	98	0.559		0		0
35	115	0.445		0		0
40	131	0.365		0		0
45	148	0.305		0		0
50	164	0.260		0		0
55	180	0.225		0		0
60	197	0.197		0		0
65	213	0.174		0		0
70	230	0.155		0		0
75	246	0.139		0		0
80	262	0.126		0		0
85	279	0.114		0		0
90	295	0.104		0		0
95	312	0.096		0		0
100	328	0.088		0		0
105	344	0.082		0		0
110	361	0.076		0		0
115	377	0.071		0		0
120	394	0.066		0		0
125	410	0.062		0		0
130	426	0.058		0		0
135	443	0.055		0		0
140	459	0.052		0		0
145	476	0.049		0		0
150	492	0.046		0		0
155	508	0.044		0		0
160	525	0.042		0		0
165	541	0.040		0		0
170	558	0.038		0		0
175	574	0.036		0		0
180	590	0.034		0		0
185	607	0.033		0		0
190	623	0.031		0		0
195	640	0.030		0		0
200	656	0.029		0		0
205	672	0.028		0		0
210	689	0.027		0		0
215	705	0.026		0		0
220	722	0.025		0		0
225	738	0.024		0		0
230	754	0.023		0		0
235	771	0.022		0		0
240	787	0.022		0		0
245	804	0.021		0		0
250	820	0.020		0		0
255	836	0.020		0		0
260	853	0.019		0		0
265	869	0.018	38.48	0.704967948		0
270	886	0.018		0		0
275	902	0.017		0		0
280	918	0.017		0		0
285	935	0.016		0		0
290	951	0.016		0		0
295	968	0.015		0		0
300	984	0.015		0		0

Selected Facilities Report

Area of Interest (AOI) Information

Area : 19,605,308.94 ft²

Dec 31 2019 9:43:55 Pacific Standard Time



Permitted Facilities 2018

California Air Basins

1:37,140

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Summary

Name	Count	Area(ft²)	Length(ft)
Permitted Facilities 2018	2	N/A	N/A

Permitted Facilities 2018

#	Plant_	Plant_Name	Address	City	St
1	13544	Pacific Bell	478 Los Alamos Road	Santa Rosa	CA
2	111598	Valley of the Moon Valero	5855 Sonoma Hwy	Santa Rosa	CA

#	Zip	County	UTM_E__km_	UTM_N__km_	Cancer
1	95405	Sonoma	532,114.00	4,256,609.00	22.59
2	95409	Sonoma	532,304.94	4,256,574.46	38.48

#	Hazard	PM2_5	Type	Count
1	0.01	0.03	Generators	1
2	0.17	0.00	Gas Dispensing Facility	1

Note: The estimated risk and hazard impacts from these sources would be expected to be substantially lower when site specific Health Risk Screening Assessments are conducted.

This screening level map is not recommended for evaluating sensitive land uses such as schools, senior centers, day cares, and health centers.

Additional Notes on the Permitted Facilities in the Area of Interest

#	Plant	Distance from Elnoka Project Site
1	Pacific Bell (13544)	1,890 feet (> 1,000 feet)
2	Valley of the Moon Valero (111598)	873 (within 1,000 feet)

Odor Complaint Summary for the City of Santa Rosa

August 2016 through September 2019 (3-year period analyzed: September 2016 - September 2019)

Source of facility information and number of complaints: Bay Area Air Quality Management District (BAAQMD). 2020. Public Records Tracker, Public Record Request No. 2019-09-0301.
Website: https://www.baaqmd.gov/contact-us/request-public-records. Accessed January 17, 2020.

C#	Date	Type	Description	Status	Site #	Siten Name	Address	City	Distance to project site
228821	11/16/16	Odor	asphalt, tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
231517	05/09/17	Odor	tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
239701	04/10/19	Odor	OLD OIL/ASPHALT	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
228586	10/02/16	Odor	tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
233116	10/20/17	Odor	burnt tires/asphalt	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237134	08/29/18	Odor	burning tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
227525	08/22/16	Odor	asphalt	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
229509	01/13/17	Odor	bad	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237114	08/27/18	Odor	burning tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
227911	09/23/16	Odor	toxic	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
229511	01/13/17	Odor	dark smoke	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237133	08/29/18	Odor	burnt rubber	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
231215	04/22/17	Odor	asphalt	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237116	08/27/18	Odor		Confirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
230179	02/18/17	Odor	asphalt	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237138	08/29/18	Odor	tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
241248	09/18/19	Odor	asphalt	Pending	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237141	08/29/18	Odor	burning tires	Confirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
241238	09/17/19	Odor	burning rubber	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237142	08/29/18	Odor	asphalt	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
241247	09/18/19	Odor	asphalt	Pending	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237208	09/06/18	Odor	toxic	Confirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
241261	09/19/19	Odor	asphalt	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237696	10/09/18	Odor	asphalt	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
241163	09/11/19	Odor	burning tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237638	10/05/18	Odor	bad tar smell	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
241249	09/18/19	Odor	burning rubber	Pending	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237656	10/08/18	Odor	digusting tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237659	10/06/18	Odor	asphalt	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237678	10/09/18	Odor	tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237728	10/12/18	Odor	concrete	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
237980	10/24/18	Odor	asphalt	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
238081	10/29/18	Odor	asphalt	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
238108	10/30/18	Odor	tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
238114	10/31/18	Odor	hot tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
238116	10/31/18	Odor	tar	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
238373	11/10/18	Odor	asphalt	Unconfirmed	A1641	BoDean Company Inc	1060 Maxwell Drive	Santa Rosa	> 2
230252	02/24/17	Odor	gas	Unconfirmed	C9334	Convenience Retailers LLC 270565	1950 Guerneville Road	Santa Rosa	> 2
237430	09/21/18	Odor	very bad	Unconfirmed	N4022	NONE	NONE	Santa Rosa	> 2
227623	09/01/16	Odor	manure	Unconfirmed	N4022	NONE	NONE	Santa Rosa	> 2
238994	01/26/19	Odor	toxic	Unconfirmed	P5167	NONE	NONE	Santa Rosa	> 2
233669	12/01/17	Odor	burning plastic	Unconfirmed	R8777	SFD	1128 Harvard Drive	Santa Rosa	> 2
235710	05/26/18	Odor	paint thinner	Unconfirmed	Y1170	Radrods of Norcal	1264 Lotus Ct	Santa Rosa	> 2
227534	08/22/16	Odor	manure	Unconfirmed	Y2127	NONE	NONE	Santa Rosa	> 2
227631	09/02/16	Odor	horrible stench	Unconfirmed	Y2398	NONE	NONE	Santa Rosa	> 2
227704	09/09/16	Odor	propane	Unconfirmed	Y2506	Business	3660 Copperhill Lane	Santa Rosa	> 2
230010	02/14/17	Odor	nail polish remover	Unconfirmed	Y5519	Piner Printing	997 Piner Rd	Santa Rosa	> 2
232457	08/17/17	Odor	paint	Unconfirmed	Y9685	Detail Werkz	2777 Corby Avenue	Santa Rosa	> 2
232479	08/18/17	Odor	paint	Unconfirmed	Y9685	Detail Werkz	2777 Corby Avenue	Santa Rosa	> 2
232898	10/03/17	Odor	chemical	Unconfirmed	Z0607	SFD	NONE	Santa Rosa	> 2
233860	12/19/17	Odor	burning trash	Unconfirmed	Z2128	NONE	NONE	Santa Rosa	> 2
234901	03/28/18	Odor	paint	Unconfirmed	Z3935	Design by Rick	2230 Northpoint Pkwy	Santa Rosa	> 2
235419	05/10/18	Odor	burning	Unconfirmed	Z4090	NONE	Guerneville Rd & Gamay	Santa Rosa	> 2
235237	04/25/18	Odor	burnt plastic	Unconfirmed	Z4090	NONE	Guerneville Rd & Gamay	Santa Rosa	> 2
235478	05/15/18	Odor	asphalt fumes	Unconfirmed	Z4182	NONE	NONE	Santa Rosa	> 2
236258	07/12/18	Odor	chemical	Unconfirmed	Z4541	MFD	3944 Mayette Ave	Santa Rosa	> 2
238216	11/02/18	Odor	fumes	Unconfirmed	Z5299	none	none	Santa Rosa	> 2
238419	11/15/18	Odor	cooking	Unconfirmed	Z5381	Santa Rosa Seafood	946 Santa Rosa Ave	Santa Rosa	> 2
238707	12/28/18	Odor	diesel	Unconfirmed	Z5621	Generator	Stony Circle	Santa Rosa	> 2
239000	01/26/19	Odor	chemical	Unconfirmed	Z5719	NONE	NEAR 2825 Elk Lane	Santa Rosa	> 2
239094	02/05/19	Odor	burning/smoke	Unconfirmed	Z5773	CalWest Transmission & Differential	258 Roseland Ave	Santa Rosa	> 2
239573	03/29/19	Odor	methane gas	Unconfirmed	Z5988	Honey Bucket	4119 Sebastopol Rd	Santa Rosa	> 2
239664	04/09/19	Odor	gas/propane	Unconfirmed	Z6021	SFD	4649 Hidden Oaks Rd	Santa Rosa	> 2
241195	09/13/19	Odor	rotten	Unconfirmed	Z6690	Cattlemens	2400 Midway Dr	Santa Rosa	> 2

C.6 - Energy Supporting Information

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Energy Supporting Information

Summary of Energy Use **C.6-1**

Construction Vehicle Fuel Calculations **C.6-2**

Construction Assumptions **C.6-3**

Construction Equipment Fuel Calculations **C.6-6**

Construction Office Electricity Calculation **C.6-9**

Operation Fuel Calculation **C.6-10**

Operation Natural Gas Use **C.6-11**

Operation Electricity Use **C.6-12**

CalEEMod Typical Construction Trailer **C.6-13**

Elnoka CCRC EIR - Energy Calculations

Summary of Energy Use During Construction		(Annually)
Construction vehicle fuel	**207,228**	**gallons (gasoline, diesel)**
Construction equipment	**138,194**	**gallons (diesel)**
Construction office electricity	**58,184**	**kilowatt hours**

Summary of Energy Use During Operations		(Annually)
Operation Vehicle Fuel	**390,825**	**gallons (gasoline, diesel)**
Building Natural Gas	**6,684,203**	**kilo-British Thermal Units**
Building Electricity	**3,213,783**	**kilowatt hours**

Construction Vehicle Fuel Calculations

California Air Resource Board. 2019. EMFAC2014 Web Database. March. Website: https://www.arb.ca.gov/emfac/2014/. Accessed March 11, 2019

EMFAC2014 (v1.0.7) Emissions Inventory
Region Type: County
Region: Sonoma
Calendar Year: 2020
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

VMT = Vehicle Miles Traveled
FE = Fuel Economy

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT (mi/day)	Fuel_Consumption (1000 gallons/day)	Calculations FE (mi/gallon)	VMT*FE
Sonoma	2020	HHDT	Aggregated	Aggregated	GAS	16.56629	1897.091503	0.417841	4.540222968	8613.218413
Sonoma	2020	HHDT	Aggregated	Aggregated	DSL	1943.484	236524.2762	42.42808	5.574710909	1318554.463
Sonoma	2020	LDA	Aggregated	Aggregated	GAS	125908.7	5044681.859	178.4636	28.26729139	142599492.1
Sonoma	2020	LDA	Aggregated	Aggregated	DSL	1695.899	64790.02791	1.862308	34.79018758	2254057.224
Sonoma	2020	LDT1	Aggregated	Aggregated	GAS	11375.56	380686.9649	16.41754	23.18782518	8827302.791
Sonoma	2020	LDT1	Aggregated	Aggregated	DSL	26.47391	432.0820582	0.017057	25.33121247	10945.16242
Sonoma	2020	LDT2	Aggregated	Aggregated	GAS	38043.64	1582631.994	74.87303	21.13754402	33452953.44
Sonoma	2020	LDT2	Aggregated	Aggregated	DSL	58.2454	2817.034269	0.099323	28.36237501	79897.78235
Sonoma	2020	LHDT1	Aggregated	Aggregated	GAS	4004.666	120218.4496	12.59599	9.54418646	1147387.299
Sonoma	2020	LHDT1	Aggregated	Aggregated	DSL	4912.28	162367.0728	9.518304	17.05840455	2769723.213
Sonoma	2020	LHDT2	Aggregated	Aggregated	GAS	547.6528	19946.931	2.293679	8.696479082	173468.0682
Sonoma	2020	LHDT2	Aggregated	Aggregated	DSL	1181.855	45309.99288	2.938225	15.42087065	698719.5396
Sonoma	2020	MHDT	Aggregated	Aggregated	GAS	338.4892	15195.45571	2.426673	6.261846357	95151.60897
Sonoma	2020	MHDT	Aggregated	Aggregated	DSL	4824.087	248076.6053	29.94827	8.283502444	2054943.166

Worker Trips

Sum of VMT*FE (Column BI)	**187224648.5**
Total VMT	**7076039.962**
Weighted Average FE	**26.45895861**

Vendor

Sum of VMT*FE (Column BI)	**8266560.577**
Total VMT	**849535.875**
Weighted Average FE	**9.730678621**

Haul

Sum of VMT*FE (Column BI)	**1327167.682**
Total VMT	**238421.3677**
Weighted Average FE	**5.566479607**

Elnoka CCRC Project Construction Assumptions

AQ/GHG Appendix: CalEEMod Elnoka CCRC Annual & Off-site Roadway Improvements Annual

Construction Phase 1

Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	
Demolition	Demolition	6/1/2020	6/15/2020	6	13	5
Site Preparation	Site Preparation	6/16/2020	6/30/2020	6	13	5
Grading	Grading	7/1/2020	9/30/2020	6	79	
Building Construction	Building Construction	10/1/2020	9/30/2021	6	313	
Paving	Paving	10/1/2021	10/31/2021	6	26	
Architectural Coating	Architectural Coating	11/1/2021	11/30/2021	6	26	

Trips and VMT	Trips per Day		Total Trips						Trips per Phase		VMT per Phase			Fuel Consumption (gallons)		
Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Num Days	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trips	Vendor Trips	Hauling Trips	Worker Trips	Vendor Trips	Hauling Trips
Demolition	15	0	257	10.8	7.3	20	13	195	0	257	2,106	0	5,140	79.59	0.00	46.17
Site Preparation	18	0	0	10.8	7.3	20	13	234	0	0	2,527	0	0	95.51	0.00	0.00
Grading	20	0	0	10.8	7.3	20	79	1,580	0	0	17,064	0	0	644.92	0.00	0.00
Building Construction	843	304	0	10.8	7.3	20	313	263,859	95,152	0	2,849,677	694,610	0	107,701.79	71,383.47	0.00
Paving	15	0	0	10.8	7.3	20	26	390	0	0	4,212	0	0	159.19	0.00	0.00
Architectural Coating	169	0	0	10.8	7.3	20	0	0	0	0	0	0	0	0.00	0.00	0.00

Total Construction Phase 1 VMT

3,575,336

Total Phase 2 Fuel Consumption (gallons)

180,111

Construction Phase 2

Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	
Building Construction	Building Construction	1/1/2022	8/22/2022	6	200	5
Paving	Paving	8/23/2022	9/2/2022	6	10	
Architectural Coating	Architectural Coating	9/3/2022	9/14/2022	6	10	

Trips and VMT	Trips per Day		Total Trips						Trips per Phase		VMT per Phase			Fuel Consumption (gallons)		
Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Num Days	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trips	Vendor Trips	Hauling Trips	Worker Trips	Vendor Trips	Hauling Trips
Building Construction	86	13	0	10.8	7.3	20	200	17,200	2,600	0	185,760	18,980	0	7,020.68	1,950.53	0.00
Paving	13	0	0	10.8	7.3	20	10	130	0	0	1,404	0	0	53.06	0.00	0.00
Architectural Coating	17	0	0	10.8	7.3	20	10	170	0	0	1,836	0	0	69.39	0.00	0.00

Total Construction Phase 2 VMT

207,980

Total Phase 2 Fuel Consumption (gallons)

9,094

Construction Phase 3

Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	
Building Construction	Building Construction	1/1/2023	8/22/2023	6	200	5
Paving	Paving	8/23/2023	9/2/2023	6	10	
Architectural Coating	Architectural Coating	9/3/2023	9/14/2023	6	10	

Trips and VMT	Trips per Day		Total Trips						Trips per Phase	VMT per Phase				Fuel Consumption (gallons)		
Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Num Days	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trips	Vendor Trips	Hauling Trips	Worker Trips	Vendor Trips	Hauling Trips
Building Construction	86	13	0	10.8	7.3	20	200	17,200	2,600	0	185,760	18,980	0	7,020.68	1,950.53	0.00
Paving	13	0	0	10.8	7.3	20	10	130	0	0	1,404	0	0	53.06	0.00	0.00
Architectural Coating	17	0	0	10.8	7.3	20	10	170	0	0	1,836	0	0	69.39	0.00	0.00

Total Construction Phase 3 VMT
207,980

Total Phase 3 Fuel Consumption (gallons)
9,094

Construction Phase 4

Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	
Building Construction	Building Construction	1/1/2024	8/20/2024	6	200	5
Paving	Paving	8/21/2024	8/31/2024	6	10	
Architectural Coating	Architectural Coating	9/1/2024	9/12/2024	6	10	

Trips and VMT	Trips per Day		Total Trips						Trips per Phase	VMT per Phase				Fuel Consumption (gallons)		
Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Num Days	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trips	Vendor Trips	Hauling Trips	Worker Trips	Vendor Trips	Hauling Trips
Building Construction	85	13	0	10.8	7.3	20	200	17,000	2,600	0	183,600	18,980	0	6,939.05	1,950.53	0.00
Paving	13	0	0	10.8	7.3	20	10	130	0	0	1,404	0	0	53.06	0.00	0.00
Architectural Coating	17	0	0	10.8	7.3	20	10	170	0	0	1,836	0	0	69.39	0.00	0.00

Total Construction Phase 4 VMT
205,820

Total Phase 4 Fuel Consumption (gallons)
9,012

Construction Phase 5

Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	
						5
Building Construction	Building Construction	1/1/2025	8/21/2025	6	200	5
Paving	Paving	8/22/2025	9/2/2025	6	10	
Architectural Coating	Architectural Coating	9/3/2025	9/13/2025	6	10	

Trips and VMT	Trips per Day		Total Trips						Trips per Phase		VMT per Phase			Fuel Consumption (gallons)		
Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Num Days	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trips	Vendor Trips	Hauling Trips	Worker Trips	Vendor Trips	Hauling Trips
Building Construction	85	13	0	10.8	7.3	20	200	17,000	2,600	0	183,600	18,980	0	6,939.05	1,950.53	0.00
Paving	13	0	0	10.8	7.3	20	10	130	0	0	1,404	0	0	53.06	0.00	0.00
Architectural Coating	17	0	0	10.8	7.3	20	10	170	0	0	1,836	0	0	69.39	0.00	0.00

Total Construction Phase 5 VMT
205,820

Total Phase 5 Fuel Consumption (gallons)
9,012

Total Construction VMT (All Phases)
4,402,936
Total Construction Fuel Consumption All Phases (gallons)
207,228

Construction Equipment Fuel Calculation

Elnoka CCRC - Construction Phase

Construction Schedule

Construction

Phase 1	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days
	Demolition	Demolition	6/1/2020	6/15/2020	6	13
	Site Preparation	Site Preparation	6/16/2020	6/30/2020	6	13
	Grading	Grading	7/1/2020	9/30/2020	6	79
	Building Construction	Building Construction	10/1/2020	9/30/2021	6	313
	Paving	Paving	10/1/2021	10/31/2021	6	26
	Architectural Coating	Architectural Coating	11/1/2021	11/30/2021	6	26

Run	Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of Days	HP Hours	Diesel Fuel Usage	Notes
Project	Demolition	Concrete/Industrial Saws	1	8.0	81	0.73	13	6,149.52	307.48	
Project	Demolition	Excavators	3	8.0	158	0.38	13	18,732.48	936.62	
Project	Demolition	Rubber Tired Dozers	2	8.0	247	0.40	13	20,550.40	1,027.52	
Project	Site Preparation	Rubber Tired Dozers	3	8.0	247	0.40	13	30,825.60	1,541.28	
Project	Site Preparation	Tractors/Loaders/Backhoes	4	8.0	97	0.37	13	14,930.24	746.51	
Project	Grading	Excavators	2	8.0	158	0.38	79	75,890.56	3,794.53	
Project	Grading	Graders	1	8.0	187	0.41	79	48,455.44	2,422.77	
Project	Grading	Rubber Tired Dozers	1	8.0	247	0.40	79	62,441.60	3,122.08	
Project	Grading	Scrapers	2	8.0	367	0.48	79	222,666.24	11,133.31	
Project	Grading	Tractors/Loaders/Backhoes	2	8.0	97	0.37	79	45,364.96	2,268.25	
Project	Building Construction	Cranes	1	7.0	231	0.29	313	146,775.09	7,338.75	
Project	Building Construction	Forklifts	3	8.0	89	0.20	313	133,713.60	6,685.68	
Project	Building Construction	Generator Sets	1	8.0	84	0.74	313	155,648.64	7,782.43	
Project	Building Construction	Tractors/Loaders/Backhoes	3	7.0	97	0.37	313	235,904.97	11,795.25	
Project	Building Construction	Welders	1	8.0	46	0.45	313	51,832.80	2,591.64	
Project	Paving	Pavers	2	8.0	130	0.42	26	22,713.60	1,135.68	
Project	Paving	Paving Equipment	2	8.0	132	0.36	26	19,768.32	988.42	
Off-site	Paving	Rollers	2	8.0	80	0.38	26	12,646.40	632.32	
Off-site	Architectural Coating	Air Compressors	1	6.0	78	0.48	26	5,840.64	292.03	

Phase 2 Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Num Days We	Num Days
Building Construction	Building Construction	1/1/2022	8/22/2022	6	200
Paving	Paving	8/23/2022	9/2/2022	6	10
Architectural Coating	Architectural Coating	9/3/2022	9/14/2022	6	10

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of Days	HP Hours	Diesel Fuel Usage	Notes
Building Construction	Cranes	1	6	231	0.29	200	80,388.00	4,019.40	
Building Construction	Forklifts	1	6	89	0.2	200	21,360.00	1,068.00	
Building Construction	Generator Sets	1	8	84	0.74	200	99,456.00	4,972.80	
Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37	200	43,068.00	2,153.40	
Building Construction	Welders	3	8	46	0.45	200	99,360.00	4,968.00	
Paving	Cement and Mortar Mixers	1	6	9	0.56	10	302.40	15.12	
Paving	Pavers	1	6	130	0.42	10	3,276.00	163.80	
Paving	Paving Equipment	1	8	132	0.36	10	3,801.60	190.08	
Paving	Rollers	1	7	80	0.38	10	2,128.00	106.40	
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	10	2,871.20	143.56	
Architectural Coating	Air Compressors	1	6	78	0.48	10	2,246.40	112.32	

Phase 3 Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Num Days We	Num Days
Building Construction	Building Construction	1/1/2023	8/22/2023	6	200
Paving	Paving	8/23/2023	9/2/2023	6	10
Architectural Coating	Architectural Coating	9/3/2023	9/14/2023	6	10

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of Days	HP Hours	Diesel Fuel Usage	Notes
Building Construction	Cranes	1	6	231	0.29	200	80,388.00	4,019.40	
Building Construction	Forklifts	1	6	89	0.2	200	21,360.00	1,068.00	
Building Construction	Generator Sets	1	8	84	0.74	200	99,456.00	4,972.80	
Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37	200	43,068.00	2,153.40	
Building Construction	Welders	3	8	46	0.45	200	99,360.00	4,968.00	
Paving	Cement and Mortar Mixers	1	6	9	0.56	10	302.40	15.12	
Paving	Pavers	1	6	130	0.42	10	3,276.00	163.80	
Paving	Paving Equipment	1	8	132	0.36	10	3,801.60	190.08	
Paving	Rollers	1	7	80	0.38	10	2,128.00	106.40	
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	10	2,871.20	143.56	
Architectural Coating	Air Compressors	1	6	78	0.48	10	2,246.40	112.32	

Phase 4
Construction
Schedule

Phase Name	Phase Type	Start Date	End Date	Num Days We	Num Days
Building Construction	Building Construction	1/1/2024	8/20/2024	6	200
Paving	Paving	8/21/2024	8/31/2024	6	10
Architectural Coating	Architectural Coating	9/1/2024	9/12/2024	6	10

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of Days	HP Hours	Diesel Fuel Usage	Notes
Building Construction	Cranes	1	6	231	0.29	200	80,388.00	4,019.40	
Building Construction	Forklifts	1	6	89	0.2	200	21,360.00	1,068.00	
Building Construction	Generator Sets	1	8	84	0.74	200	99,456.00	4,972.80	
Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37	200	43,068.00	2,153.40	
Building Construction	Welders	3	8	46	0.45	200	99,360.00	4,968.00	
Paving	Cement and Mortar Mixers	1	6	9	0.56	10	302.40	15.12	
Paving	Pavers	1	6	130	0.42	10	3,276.00	163.80	
Paving	Paving Equipment	1	8	132	0.36	10	3,801.60	190.08	
Paving	Rollers	1	7	80	0.38	10	2,128.00	106.40	
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	10	2,871.20	143.56	
Architectural Coating	Air Compressors	1	6	78	0.48	10	2,246.40	112.32	

Phase 5
Construction
Schedule

Phase Name	Phase Type	Start Date	End Date	Num Days We	Num Days
Building Construction	Building Construction	1/1/2025	8/21/2025	6	200
Paving	Paving	8/22/2025	9/2/2025	6	10
Architectural Coating	Architectural Coating	9/3/2025	9/13/2025	6	10

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of Days	HP Hours	Diesel Fuel Usage	Notes
Building Construction	Cranes	1	6	231	0.29	200	80,388.00	4,019.40	
Building Construction	Forklifts	1	6	89	0.2	200	21,360.00	1,068.00	
Building Construction	Generator Sets	1	8	84	0.74	200	99,456.00	4,972.80	
Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37	200	43,068.00	2,153.40	
Building Construction	Welders	3	8	46	0.45	200	99,360.00	4,968.00	
Paving	Cement and Mortar Mixers	1	6	9	0.56	10	302.40	15.12	
Paving	Pavers	1	6	130	0.42	10	3,276.00	163.80	
Paving	Paving Equipment	1	8	132	0.36	10	3,801.60	190.08	
Paving	Rollers	1	7	80	0.38	10	2,128.00	106.40	
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	10	2,871.20	143.56	
Architectural Coating	Air Compressors	1	6	78	0.48	10	2,246.40	112.32	

Total Construction Equipment Fuel Consumption **138,194.08** gallons

Notes:

Equipment assumptions are provided in the CalEEMod output files.

Fuel usage estimate of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

South Coast Air Quality Management District. 1993. Air Quality Handbook, Table A9-3E.

Website: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook. Accessed April 18, 2019.

Construction Office Electricity Calculation

Appendix C (Energy): CalEEMod Construction Office Electricity

kWh/yr = kilowatt hours per year

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	12837.6	1.6887	1.7000e-004	3.0000e-005	1.7033
Total		**1.6887**	**1.7000e-004**	**3.0000e-005**	**1.7033**

Construction 6 days per week

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days
1	Demolition	Demolition	6/1/2020	6/15/2020	6	13
2	Site Preparation	Site Preparation	6/16/2020	6/30/2020	6	13
3	Grading	Grading	7/1/2020	9/30/2020	6	79
4	Building Construction	Building Construction	10/1/2020	9/30/2021	6	313
5	Paving	Paving	10/1/2021	10/31/2021	6	26
6	Architectural Coating	Architectural Coating	11/1/2021	11/30/2021	6	26

Start of Construction	6/1/2020	
End of Construction	9/13/2025	
Total days	1930	
Construction work days	1654	(6 days per week)
Days in a year	365	
Years of Construction	4.53228963	

Time (years	Electricity Use	
1 year	12837.6	kWh/yr
4.53229	**58,183.72**	**kwWh/yr**

Operation Fuel Calculation

Appendix C (AQ/GHG): CalEEMod Elnoka CCRC ANNUAL

VMT = Vehicle Miles Traveled
FE = Fuel Economy

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	30.96	30.36	30.36	71,110	66,203
Congregate Care (Assisted Living)	4,488.75	4,313.25	3955.50	10,133,402	9,434,197
Health Club	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	4,519.71	4,343.61	3,985.86	10,204,512	9,500,400

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Congregate Care (Assisted Living)	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Health Club	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Other Non-Asphalt Surfaces	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967
Parking Lot	0.594113	0.036394	0.166849	0.102253	0.024126	0.006070	0.030484	0.028024	0.003137	0.001706	0.004997	0.000880	0.000967

EMFAC2014 Web Database

(v1.0.7)

Data Type: Emissions / Emission Rates
Region: County — Sonoma
Calendar Year: 2018, 2019, 2020, 2021
Season: Annual
Vehicle Category: EMFAC2007 Categories — All
Model Year: Aggregated
Speed: Aggregated
Fuel: All

EMFAC2014 (v1.0.7) Emissions Inventory
Region Type: County
Region: Sonoma
Calendar Year: 2021
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Given									*Calculations*	
Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT	Fuel_Consumption	FE	VMT*FE
Sonoma	2021	HHDT	Aggregated	Aggregated	GAS	16.23577	1901.588	0.413153	4.602626	8752.297397
Sonoma	2021	HHDT	Aggregated	Aggregated	DSL	1990.658	245931.7	43.48138	5.656025	1390996.01
Sonoma	2021	LDA	Aggregated	Aggregated	GAS	127800.7	5124519	176.0277	29.112	149184995.2
Sonoma	2021	LDA	Aggregated	Aggregated	DSL	1744.049	66522.42	1.857376	35.81526	2382517.703
Sonoma	2021	LDT1	Aggregated	Aggregated	GAS	10787.93	366089.6	15.28726	23.94737	8766885.439
Sonoma	2021	LDT1	Aggregated	Aggregated	DSL	24.12087	393.8491	0.015191	25.92712	10211.37273
Sonoma	2021	LDT2	Aggregated	Aggregated	GAS	37609.03	1576996	71.98204	21.90818	34549104.69
Sonoma	2021	LDT2	Aggregated	Aggregated	DSL	61.94278	2947.496	0.101026	29.17567	85995.16575
Sonoma	2021	LHDT1	Aggregated	Aggregated	GAS	3740.694	110465.2	11.55173	9.562656	1056340.683
Sonoma	2021	LHDT1	Aggregated	Aggregated	DSL	4692.502	152622.9	8.910521	17.12839	2614184.771
Sonoma	2021	LHDT2	Aggregated	Aggregated	GAS	518.3352	18866.98	2.15826	8.741754	164930.4524
Sonoma	2021	LHDT2	Aggregated	Aggregated	DSL	1142.217	43547.79	2.801707	15.54331	676876.5416
Sonoma	2021	MCY	Aggregated	Aggregated	GAS	7475.816	49489.8	1.405497	35.21159	1742614.519
Sonoma	2021	MDV	Aggregated	Aggregated	GAS	30063.48	995008.2	62.82763	15.83711	15758057.98
Sonoma	2021	MDV	Aggregated	Aggregated	DSL	429.5001	18671.05	0.848847	21.99579	410684.4192
Sonoma	2021	MH	Aggregated	Aggregated	GAS	944.7227	7969.929	1.217383	6.546775	52177.3347
Sonoma	2021	MH	Aggregated	Aggregated	DSL	264.0275	2361.929	0.247348	9.549012	22554.08911
Sonoma	2021	MHDT	Aggregated	Aggregated	GAS	329.7546	15106.23	2.391642	6.316256	95414.79808
Sonoma	2021	MHDT	Aggregated	Aggregated	DSL	4906.574	256968.2	30.90364	8.315145	2136728.012
Sonoma	2021	OBUS	Aggregated	Aggregated	GAS	150.4181	7934.254	1.215986	6.524952	51770.62412
Sonoma	2021	OBUS	Aggregated	Aggregated	DSL	259.6705	20604.47	2.843488	7.246196	149304.0142
Sonoma	2021	SBUS	Aggregated	Aggregated	GAS	21.13852	1094.232	0.09193	11.90293	13024.56687
Sonoma	2021	SBUS	Aggregated	Aggregated	DSL	184.8295	7031.805	0.971561	7.237639	50893.66491
Sonoma	2021	UBUS	Aggregated	Aggregated	GAS	51.74283	7584.284	1.531226	4.953079	37565.56046
Sonoma	2021	UBUS	Aggregated	Aggregated	DSL	65.66863	9499.337	2.153322	4.41148	41906.13175

Sum of VMT*FE (Column L) 221454486
Sum of VMT (Column H) 9110127.821
Weighted Average FE **24.30860361 miles/gallon**

Passenger vehicle VMT (CalEEMod output files) 9500400
Fuel consumption **390824.5884 gallons (gasoline, diesel)**

Operation Natural Gas Use

Appendix C (AQ/GHG): CalEEMod Elnoka CCRC ANNUAL

kBTU/yr = kilo-British Thermal Units/year

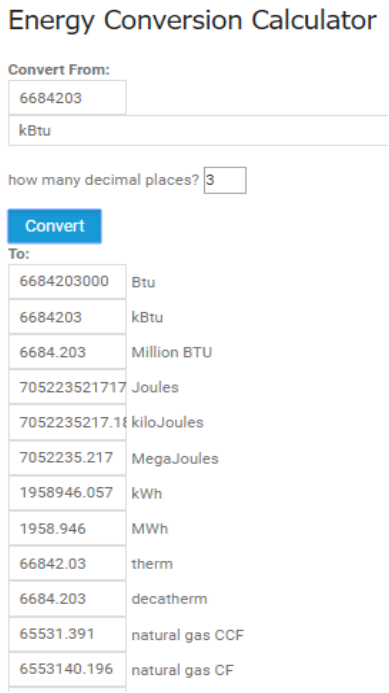
CF = cubic feet

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Condo/Townhouse	224676	1.2100e-003	0.0104	4.4100e-003	7.0000e-005		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	11.9896	11.9896	2.3000e-004	2.2000e-004	12.0608
Congregate Care (Assisted Living)	5.83163e+006	0.0315	0.2687	0.1144	1.7200e-003		0.0217	0.0217		0.0217	0.0217	0.0000	311.1979	311.1979	5.9600e-003	5.7100e-003	313.0472
Health Club	627897	3.3900e-003	0.0308	0.0259	1.8000e-004		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	33.5070	33.5070	6.4000e-004	6.1000e-004	33.7061
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0361**	**0.3098**	**0.1446**	**1.9700e-003**		**0.0249**	**0.0249**		**0.0249**	**0.0249**	**0.0000**	**356.6945**	**356.6945**	**6.8300e-003**	**6.5400e-003**	**358.8141**

Conversion from kBTU/yr to CF/yr

Abraxas. 2019. Energy Conversion Calculator. Website: https://www.abraxasenergy.com/energy-resources/toolbox/conversion-calculators/energy/. Accessed October 15, 2019.

Condo/Townhouse	224676	kBTU/yr	Equivalency:	
Congregate Care	5.83E+06	kBTU/yr	6,684,203	kBTU/yr
Health Club	627897	kBTU/yr	6,684,203,000	BTU/yr
Total:	**6,684,203**	**kBTU/yr**	**6,553,140**	**CF/yr natural gas**



Operation Electricity Use

Appendix C (AQ/GHG): CalEEMod Elnoka CCRC ANNUAL

kWh/yr = kilowatt hours per year

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	60545.2	7.9642	8.0000e-004	1.6000e-004	8.0332
Congregate Care (Assisted Living)	2.78664e+006	366.5591	0.0367	7.5800e-003	369.7355
Health Club	196605	25.8617	2.5900e-003	5.4000e-004	26.0858
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	169993	22.3612	2.2400e-003	4.6000e-004	22.5549
Total		**422.7462**	**0.0423**	**8.7400e-003**	**426.4095**

Energy Use by Land Use

Condo/Townhouse	60545.2	kWh/yr
Congregate Care	2.79E+06	kWh/yr
Health Club	196605	kWh/yr
Parking Lot	169993	kWh/yr
Total:	**3,213,783**	**kWh/yr**

Typical Construction Trailer

Sonoma-San Francisco County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.72	1000sqft	0.02	720.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	75
Climate Zone	4			**Operational Year**	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	290	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Typical construction trailer for estimate of energy usage.
CO2 intensity factor adjusted based on Renewable Portfolio Standard

Land Use - 12'x60' single-wide unit (720 sq ft)

Construction Phase - Typical construction trailer for energy use estimates - estimates would be included in the operational component of the results

Off-road Equipment - Zeroed out construction equipment

Vehicle Trips - Zeroed out off-site trips

Table Name	Column Name	Default Value	New Value
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	1.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	1.00	0.00

tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	11.03	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1900e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	6.0000e-005	5.8000e-004	4.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.3177	2.3177	1.8000e-004	5.0000e-005	2.3360
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.1360	0.0000	0.1360	8.0400e-003	0.0000	0.3369
Water						0.0000	0.0000		0.0000	0.0000	0.0406	0.1272	0.1678	4.1800e-003	1.0000e-004	0.3025
Total	**3.2500e-003**	**5.8000e-004**	**5.0000e-004**	**0.0000**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.1766**	**2.4449**	**2.6215**	**0.0124**	**1.5000e-004**	**2.9755**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1900e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	6.0000e-005	5.8000e-004	4.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.3177	2.3177	1.8000e-004	5.0000e-005	2.3360
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.1360	0.0000	0.1360	8.0400e-003	0.0000	0.3369
Water						0.0000	0.0000		0.0000	0.0000	0.0406	0.1272	0.1678	4.1800e-003	1.0000e-004	0.3025
Total	**3.2500e-003**	**5.8000e-004**	**5.0000e-004**	**0.0000**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.1766**	**2.4449**	**2.6215**	**0.0124**	**1.5000e-004**	**2.9755**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.568926	0.041373	0.172015	0.112977	0.030659	0.007080	0.028564	0.025868	0.003029	0.001930	0.005517	0.000872	0.001190

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1.6887	1.6887	1.7000e-004	3.0000e-005	1.7033
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1.6887	1.6887	1.7000e-004	3.0000e-005	1.7033
NaturalGas Mitigated	6.0000e-005	5.8000e-004	4.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6290	0.6290	1.0000e-005	1.0000e-005	0.6327
NaturalGas Unmitigated	6.0000e-005	5.8000e-004	4.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6290	0.6290	1.0000e-005	1.0000e-005	0.6327

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	11786.4	6.0000e-005	5.8000e-004	4.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6290	0.6290	1.0000e-005	1.0000e-005	0.6327
Total		**6.0000e-005**	**5.8000e-004**	**4.9000e-004**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.6290**	**0.6290**	**1.0000e-005**	**1.0000e-005**	**0.6327**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	11786.4	6.0000e-005	5.8000e-004	4.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6290	0.6290	1.0000e-005	1.0000e-005	0.6327
Total		**6.0000e-005**	**5.8000e-004**	**4.9000e-004**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.6290**	**0.6290**	**1.0000e-005**	**1.0000e-005**	**0.6327**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	12837.6	1.6887	1.7000e-004	3.0000e-005	1.7033
Total		**1.6887**	**1.7000e-004**	**3.0000e-005**	**1.7033**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	12837.6	1.6887	1.7000e-004	3.0000e-005	1.7033
Total		**1.6887**	**1.7000e-004**	**3.0000e-005**	**1.7033**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1900e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Unmitigated	3.1900e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	**3.1900e-003**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.8100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	**3.1900e-003**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.1678	4.1800e-003	1.0000e-004	0.3025
Unmitigated	0.1678	4.1800e-003	1.0000e-004	0.3025

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.127968 / 0.0784322	0.1678	4.1800e-003	1.0000e-004	0.3025
Total		**0.1678**	**4.1800e-003**	**1.0000e-004**	**0.3025**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.127968 / 0.0784322	0.1678	4.1800e-003	1.0000e-004	0.3025
Total		**0.1678**	**4.1800e-003**	**1.0000e-004**	**0.3025**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.1360	8.0400e-003	0.0000	0.3369
Unmitigated	0.1360	8.0400e-003	0.0000	0.3369

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	0.67	0.1360	8.0400e-003	0.0000	0.3369
Total		**0.1360**	**8.0400e-003**	**0.0000**	**0.3369**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	0.67	0.1360	8.0400e-003	0.0000	0.3369
Total		**0.1360**	**8.0400e-003**	**0.0000**	**0.3369**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

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